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CITY OF SOMERVILLE

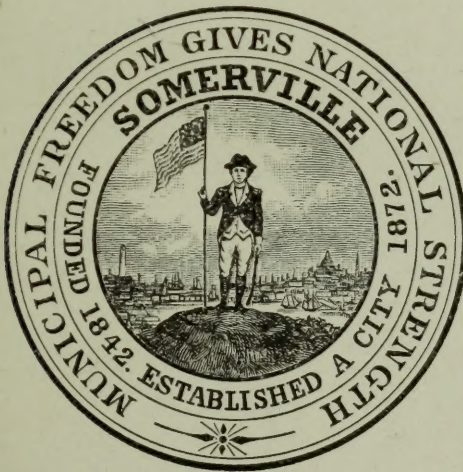
MASSACHUSETTS

ANNUAL REPORTS

1906

With Mayor's Inaugural Address

Delivered Jan. 7, 1907



SOMERVILLE JOURNAL PRINT

1907



PHOTO BY F. A. GEORGE.

SOMERVILLE'S VETERAN MESSENGER,
JAIRUS MANN.

SECOND INAUGURAL ADDRESS

DELIVERED BY

MAYOR CHARLES A. GRIMMONS

MONDAY, JANUARY 7, 1907

Gentlemen of the Board of Aldermen :—

Once again we are assembled, in accordance with custom, for the beginning of a new year's administration of the city's affairs. Again we take upon ourselves the responsibilities of the offices entrusted to us and record our solemn pledges to serve our city lawfully, honestly, and to the best of our abilities. To-day we drop party ties and obligations and stand forth as the representatives of the whole city and people. It is pleasant to greet so many of last year's board and to extend a welcome to the new members. The retiring members have rendered excellent service to the city, and the city expects a similar service from the new ones. In our official family we carry out the first law of private hospitality, as we "speed the parting and welcome the coming guests."

I call your attention to the following facts, bearing on the financial condition of the city :—

The total funded debt of the city January 1, 1906, was \$1,510,000. This debt was increased during the year \$100,000. It was decreased \$145,500, leaving the net funded debt January 1, 1907, \$1,464,500, a net decrease of \$45,500.

Ordinance No. 59 was approved July 27, 1906. This gave authority for the exchange of coupon bonds for registered bonds, and \$257,000 have been exchanged under this provision.

The total amount of taxable property is \$60,371,500, of which \$54,367,700 is real estate, and \$6,003,800 is personal estate, including non-resident bank shares. At a rate of \$17.40 on each \$1,000 of valuation, the tax is \$1,050,464.10. There are 20,069 polls at \$2.00, making \$40,138. We received from street watering \$22,309.64, and from the suppression of gypsy and brown-tail moths \$1,111.88, making the total tax levy \$1,114,023.62. The total number of persons assessed, resident and non-resident, was 27,511.

Of the amount received in taxes, \$160,000 is required for the debt provisions; \$185,789.10 are state and county taxes, metropolitan sewer assessments, etc., matters over which the city has no control; \$365,000 is used for current expenses of departments, over which the board of aldermen has no control; \$339,675 is the amount for current expenses within control of the board of aldermen.

The same statement, based upon the \$17.40 per thousand, is as follows: Of each \$17.40, \$3.08 is for state, county, and metropolitan taxes; \$2.65 for debt requirements; \$6.04 for current expenses over which the board of aldermen has no control; \$5.63 for current expenses within control of the board of aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$231,593.44 on water income account; we received \$30,608.45 from corporation and bank taxes; from the clerk of the courts, \$3,840; from the county treasurer, for dog licenses, \$4,386.83; from the state, the street railway tax, \$48,329.06; and from the Boston Elevated Railway tax, \$8,447.89; a total of \$327,205.67, making the total amount available from taxes and from other sources, \$1,441,229.29.

Funded Debt.—The funded debt of the city January 1, 1906, was as follows:—

Funded Debt, City Loan	\$1,114,000 00
Funded Debt, Sewer Loan	235,000 00
Funded Debt, Paving Loan	35,000 00
Funded Debt, Water Loan	102,000 00
Funded Debt, Metropolitan Park Assessment Loan	24,000 00
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	\$1,510,000 00

The debt was increased during the year by appropriations made by the board of aldermen as follows:—

Sewers Construction	\$20,000 00
Public Buildings Construction, High School Building Completion	15,000 00
Highways, Paved Gutters and Crossings.	17,500 00
Highways, Construction	25,000 00
Highways, Shade Trees	500 00
Sidewalks, Construction	12,000 00
Renewal of Funded Debt	10,000 00
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	\$100,000 00

The debt was reduced during the year by maturities as follows:—

Funded Debt, City Loan	\$111,500 00
Funded Debt, Sewer Loan	12,000 00
Funded Debt, Paving Loan	5,000 00
Funded Debt, Water Loan	16,000 00
Funded Debt, Metropolitan Park Assessment Loan	1,000 00
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	\$145,500 00

Leaving the funded debt of the city January 1, 1907, \$1,464,500 (a decrease of \$45,500 from the previous year), classified as follows:—

City Loan bonds bearing interest at 3½ per cent.	\$350,000 00
City Loans bonds bearing interest at 4 per cent.	732,500 00
City Loan Sewer bonds bearing interest at 3½ per cent.	75,000 00
City Loan Sewer bonds bearing interest at 4 per cent.	163,000 00
City Loan Sewer bonds bearing interest at 4½ per cent.	5,000 00
City Loan Paving bonds bearing interest at 4 per cent.	30,000 00
Water Loan bonds bearing interest at 4 per cent.	86,000 00
Metropolitan Park Assessment Loan bonds bearing interest at 3½ per cent.	23,000 00
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Total Funded Debt January 1, 1907	\$1,464,500 00

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for the temporary loans, etc., being equaled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of May 1, 1906, was duly submitted to the collector.

The total amount of taxable property was \$60,371,500, and the rate established was \$17.40 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$54,367,700 00
Personal estate, valuation	5,907,960 00
Non-resident bank shares	95,840 00
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Total valuation	\$60,371,500 00
At a rate of \$17.40 on each \$1,000 valuation	\$1,050,464 10
Polls, 20,069 at \$2	40,138 00
Street watering	22,309 64
Suppression of gypsy and brown-tail moths	1,111 88
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Total amount of tax levy	\$1,114,023 62
Total number of persons assessed, resident and non-resident, 27,511.	

Appropriations.—The amount of revenue provided by the tax levy may properly be classified as follows:—

	Rates assessed on \$1,000 valuation.	Amount.
For current expenses within the control of the board of aldermen	\$5 63	\$339,675 00
Current expenses of departments over which the board of aldermen has no control	6 04	365,000 00
Debt requirements	2 65	160,000 00
State and county taxes, metropolitan sewer and park assessments, national bank tax, and Overlay account,	3 08	185,789 10
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Total amount assessed on a valuation of \$60,371,500 at \$17.40		\$1,050,464 10
Poll taxes assessed, credited to state and county		40,138 00
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Amount carried forward		\$1,090,602 10

Amount brought forward	\$1,090,602 10
Street watering, in excess of amount ap- propriated	22,309 64
Suppression of gypsy and brown-tail moth tax	1,111 88
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Total amount of the tax levy	\$1,114,023 62

The appropriations to the various accounts were as follows:—

ACCOUNTS WITHIN THE CONTROL OF THE BOARD OF ALDERMEN.

Assessors	\$10,000 00
City Auditor	725 00
City Clerk	5,500 00
City Engineer	11,500 00
City Messenger	2,000 00
City Solicitor	2,350 00
City Treasurer	9,300 00
Clerk of Committees and Departments	4,200 00
Contingent Fund	3,450 00
Election Expenses:—	
City Clerk	1,650 00
Commissioner of Public Buildings	900 00
Pay of Election Officers	2,500 00
Registrars of Voters	1,650 00
Electrical Department	8,500 00
Executive Department	4,000 00
Fire Department	45,500 00
Inspection of Buildings	4,100 00
Military Aid	1,000 00
Police	41,600 00
Printing and Stationery	2,100 00
Public Buildings Maintenance:—	
City Buildings	11,000 00
Janitors' Salaries	27,000 00
Schoolhouses	27,700 00
Public Grounds	10,400 00
Sealer of Weights and Measures	1,050 00
Sidewalks Maintenance	3,000 00
Soldiers' Relief	22,000 00
Somerville Hospital	5,000 00
Street Lights	67,000 00
Suppression Gypsy and Brown-tail Moths,	3,000 00
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Total amount assessed on a valuation
of \$60,371,500, at \$5.63 \$339,675 00

ACCOUNTS OVER WHICH THE BOARD OF ALDERMEN HAS NO CONTROL.

Health Department	\$6,400 00
Health Department, Collection of Ashes and Qffal	36,600 00
Health Department, Contagious Disease Hospital	6,000 00
Public Library	14,500 00
School Contingent	25,000 00
School Teachers' Salaries	260,000 00
Support of Poor, City Home	2,500 00
Support of Poor, Miscellaneous	14,000 00

Total amount assessed on a valuation
of \$60,371,500, at \$6.04 \$365,000 00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest	\$58,000 00
Reduction of Funded Debt	102,000 00

Total amount assessed on a valuation
of \$60,371,500, at \$2.65 \$160,000 00

PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax	\$61,600 00
Deduct one-half of poll taxes,	20,069 00
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	\$41,531 00
County Tax	\$61,272 24
Deduct one-half of poll taxes,	20,069 00
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	41,203 24
Metropolitan Sewer Assessment	49,319 97
Metropolitan Park Assessment	21,865 18
National Bank Tax	1,667 62
Overlay and Abatement	16,775 69
Armory Tax	3,908 21
Wellington Bridge, Special Assessment	9,264 32
Purifying Mystic River	253 87

Total amount assessed on a valuation
of \$60,371,500, at \$3.03 \$185,789 10

In addition to the above, the following appropriations were made from the various income accounts:—

From the income of the water works:—

Water Maintenance	\$27,946 76
Water Loan Interest	3,935 00
Water Works, Abatements on Water Charges	448 10

Amount carried forward \$32,329 86

Amount brought forward	\$32,329 86
Water Works Extension	19,195 86
Sewers Maintenance	12,000 00
Fire Department	24,500 00
Suppression of Brown-tail Moths . .	1,000 00
Reduction of Funded Debt	10,792 96
Reduction of Funded Debt, Water Loan Bonds	6,000 00
Metropolitan Water Assessment . .	97,160 08
Interest on Sewer Loan Bonds . . .	8,827 50
Sewer Loan Bonds	18,000 00
Excess and Deficiency	1,787 18
Total	<u>\$231,593 44</u>

From the income from the state and county:—

Police, the amount received from the state for corporation taxes	\$24,404 92
Amount charged to the state	2,803 54
Police, the amount received from the state for bank taxes	3,399 99
Police, the amount received from the clerk of the courts for fines, costs, etc. .	3,840 00
Public Library, the amount received from the county for dog licenses	4,386 83
Highways Maintenance, from Boston Ele- vated Railway tax	8,447 89
Highways Maintenance, from street rail- way tax	48,829 06
Total	<u>\$95,612 23</u>
Total from water income and from state and county	<u><u>\$327,205 67</u></u>

The aggregate appropriations from the tax levy and from income were as follows:—

From tax levy	\$1,114,023 62
From income	327,205 67
	<u>\$1,441,229 29</u>

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduc- tion of Funded Debt.
Town	\$593,349	. .	. .	. .
Dec. 31, 1872	643,354	\$50,005	. .	. .
" 1873	809,354	166,000	. .	. .
" 1874	1,419,854	610,500	. .	. .
" 1875	1,571,854	152,000	. .	. .
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*58,828 58	2 30
" 1878	1,596,854	. .	61,004 64	2 91
" 1879	1,585,000	. .	64,915 76	3 42
" 1880	1,585,000	. .	55,739 35	2 72
" 1881	1,585,000	. .	58,498 64	2 59
" 1882	1,585,000	. .	61,390 59	2 65
" 1883	1,585,000	. .	64,479 01	2 70
" 1884	1,585,000	. .	67,719 33	2 78
" 1885	†1,525,000	. .	71,305 66	2 87
" 1886	1,525,000	. .	66,894 23	2 57
" 1887	1,525,000	. .	70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 28
" 1889	952,500	130,000	38,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 38
" 1891	1,045,500	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,477,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 96
" 1904	1,498,500	132,500	139,500 00	2 40
" 1905	1,510,000	148,000	136,500 00	2 30
" 1906	1,464,500	100,000	145,500 00	2 41

*\$10,000.00 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872 . . .	\$22,755,325 . . .	\$274,374 45 . . .	\$13 00
1873 . . .	29,643,100 . . .	389,214 48 . . .	12 80
1874 . . .	30,837,700 . . .	473,235 50 . . .	15 00
1875 . . .	31,317,000 . . .	518,161 40 . . .	16 20
1876 . . .	26,573,400 . . .	504,475 24 . . .	18 60
1877 . . .	25,479,400 . . .	471,789 14 . . .	18 10
1878 . . .	20,976,900 . . .	409,497 10 . . .	19 00
1879 . . .	18,950,100 . . .	352,553 80 . . .	18 00
1880 . . .	20,458,100 . . .	402,927 71 . . .	19 10
1881 . . .	22,569,100 . . .	452,945 45 . . .	19 50
1882 . . .	23,162,200 . . .	425,721 16 . . .	17 80
1883 . . .	23,812,900 . . .	411,645 43 . . .	16 70
1884 . . .	24,331,100 . . .	418,750 26 . . .	16 60
1885 . . .	24,878,400 . . .	428,605 44 . . .	16 60
1886 . . .	26,003,200 . . .	416,987 28 . . .	15 40
1887 . . .	27,471,800 . . .	424,309 14 . . .	14 80
1888 . . .	28,765,400 . . .	421,458 60 . . .	14 00
1889 . . .	30,004,600 . . .	440,324 40 . . .	14 00
1890 . . .	32,557,500 . . .	447,704 00 . . .	14 00
1891 . . .	36,843,400 . . .	539,137 10 . . .	14 00
1892 . . .	38,093,100 . . .	596,357 50 . . .	15 00
1893 . . .	41,873,600 . . .	675,886 80 . . .	15 50
1894 . . .	44,142,900 . . .	721,165 54 . . .	15 70
1895 . . .	46,506,300 . . .	745,609 02 . . .	15 40
1896 . . .	49,070,800 . . .	786,412 32 . . .	15 40
1897 . . .	50,231,000 . . .	913,574 42 . . .	17 30
1898 . . .	50,739,700 . . .	954,187 11 . . .	17 90
1899 . . .	51,262,400 . . .	882,580 96 . . .	16 30
1900 . . .	52,578,200 . . .	889,916 08 . . .	16 00
1901 . . .	53,924,200 . . .	907,439 82 . . .	15 90
1902 . . .	55,558,300 . . .	964,535 80 . . .	16 40
1903 . . .	57,062,000 . . .	1,038,849 84 . . .	17 20
1904 . . .	58,137,900 . . .	1,059,292 56 . . .	17 20
1905 . . .	59,233,000 . . .	1,144,000 14 . . .	18 30
1906 . . .	60,371,500 . . .	1,114,023 62 . . .	17 40

The past year has been a busy one in all departments of the city's administration. The principles of the administration, proclaimed at the beginning of the year, were: A proper enforcement of the city charter, economy and efficiency. These tenets of action have been followed as closely as possible in accordance with business principles. Each head of department has been held strictly responsible for the proper conduct of his office, and in no case has he been hampered by the executive for any political reasons or for anything which would impair a business-like administration of his department. I believe that this plan has worked admirably, and that the city has received excellent service and the best results for all moneys expended.

The matter of uniform accounts, which I hope to see at some time universally adopted, has been deferred, pending probable legislation by state and nation. This year we have instituted an annual audit of the city's finances, which I hope will

be continued by my successors, so that, at the beginning of each year, the incoming finance committee may adopt as its report the report of the expert accountant, which has been brought up to the end of the year. Throughout the history of the city the finance committee's report, which is provided for by ordinance, has been nominal and perfunctory and of little or no value in the light of modern methods.

An innovation in the treasurer's department is the adoption of a method by which every city bond is issued and certified to as to its proper issue and legality by one of the largest financial corporations of the state, and in the near future it is expected that this practice will be extended to all negotiable paper issued by the city. These safeguards render impossible any over-issues and insure the city's receiving the highest prices for its bonds and obligations.

It may be well at this time to record the city's method of purchasing and paying for supplies. All articles of any amount are purchased, after full and free competition, by the heads of departments, with the sanction of the executive. When goods are received, the bills are properly checked and verified and entered on the records by the proper accountant. All bills then go to the committee on accounts or a department committee, when from three to five men—the people's representatives—examine each bill, and every bill is certified on the pay-roll by the chairman of the committee. All bills then go to the city auditor for his examination and certification. It is not uncommon for him to lay aside bills and call the attention of the executive to them. All bills and pay-rolls are then presented to the mayor for his inspection and approval. All cash discounts are availed of and exacted. I believe that this method of numerous inspections and examinations by different competent people—a method that is not complex—insures and safeguards the city's best interests. Beyond this, every bill and account is, under the law, so open to the inspection of every citizen that "he who runs may read."

The board of health has this year inaugurated and opened the contagious hospital, which I believe to be one of the model institutions of its kind in the state. They have also organized the medical inspection of the schools, as required by law. I believe that the general health of the city is excellent.

It was a matter of regret to the executive that the danger of rabies necessitated the muzzling of all dogs. The best en-

deavors were made to carry out the necessary safeguards with as little annoyance to the public as possible. As a result of the discharge of their duties, three officers were sent to New York for the Pasteur treatment for rabies. In case of a similar condition arising, the city will endeavor to comply with the obligation of the state with as little friction and trouble to the citizens as possible.

During the year the addition to the Latin school has been completed, adding fifteen of the most attractive schoolrooms in the city. Modern sanitary plumbing has replaced the out-of-date and much-criticized conditions in the Bell, Bingham, and Edgerly schools. Additional school accommodations will be needed, and I ask your consideration and approval of additions to the Hanscom and Brown schools. Our schoolhouses, as a whole, have no superiors in the state, and this opinion is from unbiased and competent authority.

The duties of the commissioner of public buildings, who is also the inspector of buildings, are so numerous and exacting that I propose that he shall appoint a head janitor, who shall oversee and supervise the janitor service of all public buildings, more especially that of schoolhouses. This will not necessarily create a new official, and will add very little to the existing expense.

The recent receipt of a letter at the mayor's office from Saint Petersburg, Russia, the writer of which stated his interest in Somerville's excellent school system, is but one of many incidents which show how widely known and how highly appreciated the Somerville school standard is. It may be that the intelligence of enlightened Somerville will illumine and improve the prospects of Darkest Russia! Our high school graduates are admitted by college and university authorities to be among the very best fitted of those who seek the higher education.

The installation of water meters is being forwarded as fast as the finances of the city will permit, thus insuring an equitable charge to all such consumers of water. This work is also important in preventing water waste, concerning which the metropolitan commission is much interested, and has an important bearing on our finances, in that it aids in postponing the further enlargement of the metropolitan system of supply.

New electric street lights have been installed as occasion demanded, and I feel that I can say that Somerville is one of the best-lighted cities in the country.

It is a pleasure and satisfaction to report material progress in the efforts in behalf of the city on the subject of the abolition of grade crossings on the Fitchburg railroad. Many hearings have been held before the commissioners, and the city officials have used their utmost and best endeavors to forward this great and absolutely necessary improvement. The plans submitted by the city call for an expenditure of about \$1,000,000, of which ten per cent., or \$100,000 (approximately the sum expended for paving Somerville avenue), will be the city's share. This will be payable through a long term of years, making the annual expense a very light financial burden to the city.

I regret that no more progress has been made on the subject of the Lowell-street bridge, the construction of which has been delayed by an appeal to the courts by the railroad company. The city will do its utmost in this matter to prosecute it to completion.

Good work has been done on the highways in such amounts and in different parts of the city that it seems unnecessary to enumerate the different undertakings. More granolithic sidewalks have been constructed during the year than ever before, and I trust that in the future this material will be used in much greater amounts. Twenty-four thousand square yards of permanent pavement have been laid on the main arteries of travel, and it is of such a nature that automobiles, the common use of which has rendered necessary the adoption of a more permanent roadway than macadam, will not affect it. This pavement has been acquired at a price one-third less than ever before for similar pavement and with a ten-year guarantee to maintain it without cost to the city. The price was less than the estimated cost of maintaining a macadam road for the same length of time, without regard to the original cost.

The plans of previous administrations have been matured and brought to fruition on Broadway, in East Somerville. In a short time I confidently expect the completion of the improvements, and then Somerville will have one of the finest approaches of any city in the metropolitan district. The permanent pavement on the sides of the street, the removal of the poles from the sidewalks, and a grass plot between the railroad tracks will give an ideal roadway and complete a long-desired condition. The public safety will be greatly enhanced by placing under ground all wires carrying electricity for light and telephone service. The expenditures for this purpose by public

service corporations from their own resources this year have been \$40,000, and the city has spent \$3,000 in placing its own wires under ground. This plan of burying the wires I believe to be a great step in the interests of utility, safety, and beauty of the city.

All details of the city's business will be found in full in the annual reports, which will be obtainable by any citizen.

The public service of the city has lost during the year by death four of its most faithful and efficient servants. James F. Beard, who died July 2, was the third treasurer of the city, which position he had occupied for six years. He was ever careful, cautious, painstaking, an invaluable adviser of the city's servants, and beloved by all with whom he was associated. Every mayor under whom he served joins with me in his praise and in testifying to his great ability for the office which he filled so creditably and well.

Dr. Alvah B. Dearborn was one of the grandest types of which Somerville can boast. He, the city physician, who administered to the people in charity, yet not with the manner of mere charity, was beloved by all with whom he was associated, and fulfilled the duties of his office in a manner and spirit emblematic of the Great Physician. He rendered distinguished services to the city as a physician, as an educator, and as a citizen.

Levi F. S. Davis died shortly after his re-appointment as a registrar of voters. He had always been noted for his interest in public affairs. He was well thought of by all and had served the city well and faithfully in all of the positions which had been entrusted to him. Pleasant, genial, large-hearted, he was mourned by a legion of friends and by the whole city.

Edward Backus, commissioner of electric lines and lights, who died March 26, was of the quiet type of public servant. Every hour of the day at duty's call, he watched and safeguarded property and life. Reserved and unassuming, he fulfilled the duties of his office with ability, fidelity, and zeal.

Other highly esteemed citizens who have passed on during the year and who have rendered good service to the city in various lines and offices are: Henry M. Moore, Elbridge G. Park, Nathan A. Fitch, and Samuel W. Holt. These were mourned by many of the older citizens as well as by later ones. Their deaths are a great loss to the community, for these men were representatives of our highest standard of citizenship.

The poor we have always with us, and again I would urge all citizens, in public spirit and charity, not to forget Somerville's benevolent institutions, and, in proportion as they themselves have been prospered, to do all in their power for the lessening of the sufferings of the poor. The overseers of the poor are doing a grand work, and the city home is one of the model institutions of its kind in the state. The Somerville hospital continues its good work on broad and non-sectarian lines, and I recommend that the customary sum of \$5,000 be appropriated for the care of the sick poor at this institution.

I believe that I should be remiss did I not recall the attention of the community to the good work being done by the Grand Army post and its allies. This is a work that should be aided and encouraged by private bounty, which should be given to the different bodies to be expended in their discretion.

For many years the subject of a soldiers' monument has been considered and discussed, inasmuch as Somerville is one of the few municipalities which, as yet, have not erected fitting memorials. To my mind the grandest monument within our borders is the modest column erected by the Somerville Light Infantry, in the little cemetery on Somerville avenue, "in memory of those from the town who fell in the service of their country." However, sometime in the early future, possibly by private and public co-operation, I feel that our city should have a grand, imposing monument in commemoration of the efforts of the soldiers of 1861-1865 to maintain the integrity of the nation.

By executive order the national flag has been displayed every business day and holiday from the city hall and the city hall annex, and every day in the year from Prospect-hill tower. I believe that the display of the national emblem is an incentive to a greater patriotism among the people, regardless of age, and more especially among those of the younger generations.

I ask your early co-operation in considering the subject of the erection and maintenance of a public bath-house on the Mystic river. Many lives have been lost in years past in that vicinity for lack of proper bathing facilities, and I believe that the time has come for the advancement of this project, which I strongly recommend.

On the recommendation of the past year's city government, I strongly urge that early action be taken to acquire for the city the so-called Clarendon-hill ledge. This will be necessary for

the city's stone supply and for the prevention of the locality from being a menace to public safety.

I would suggest, also, that your board give early consideration to the need of changes in the voting precincts of ward 7. At the close of registration last November there were 964 registered male voters in precinct 2, only thirty-six less than the limit fixed by law for any precinct. The present precinct 2 can be divided, or a new division made of the whole ward, whichever way seems to you most advisable. This matter should be considered as early in the year as possible, as the work of various departments, particularly that of the assessors, will have to be planned to meet such change.

The different departments in city hall have accumulated, since the beginning of the city, many records and books of account for which there is no suitable storage room. I ask your consideration and approval of the building of ample storage rooms under city hall for the protection of city records and documents.

I ask your early consideration of the needs and requirements of the fire department, brought about by our rapid expansion in building and population. I believe that a fire station should be erected near the top of Winter hill, and that the permanent force should be increased by at least six men; and that at least one more fire engine should be added to the department. The fire losses of Somerville in the past and present are among the lowest, per capita, in the state, and I feel that the efficiency of the department should be maintained at the highest standard consistent with our financial resources.

I recommend your consideration of the adoption of chapter 191 of the acts of the legislature for the year 1905, permitting the establishment of a municipal building insurance fund.

I recommend that the old-fashioned doors on fire-alarm boxes be replaced by keyless doors as fast as possible.

The building ordinances of the city have not been thoroughly revised for some years, and I am forced to believe that they do not adequately meet the unusual conditions under which the city is so rapidly developing. I believe that they should be brought up to the highest standard, for the protection of persons investing their savings in homes, as well as for the public safety. I earnestly recommend that a commission of three members be appointed, who shall be experts on the subject, for the revision and codification of the building ordinances.

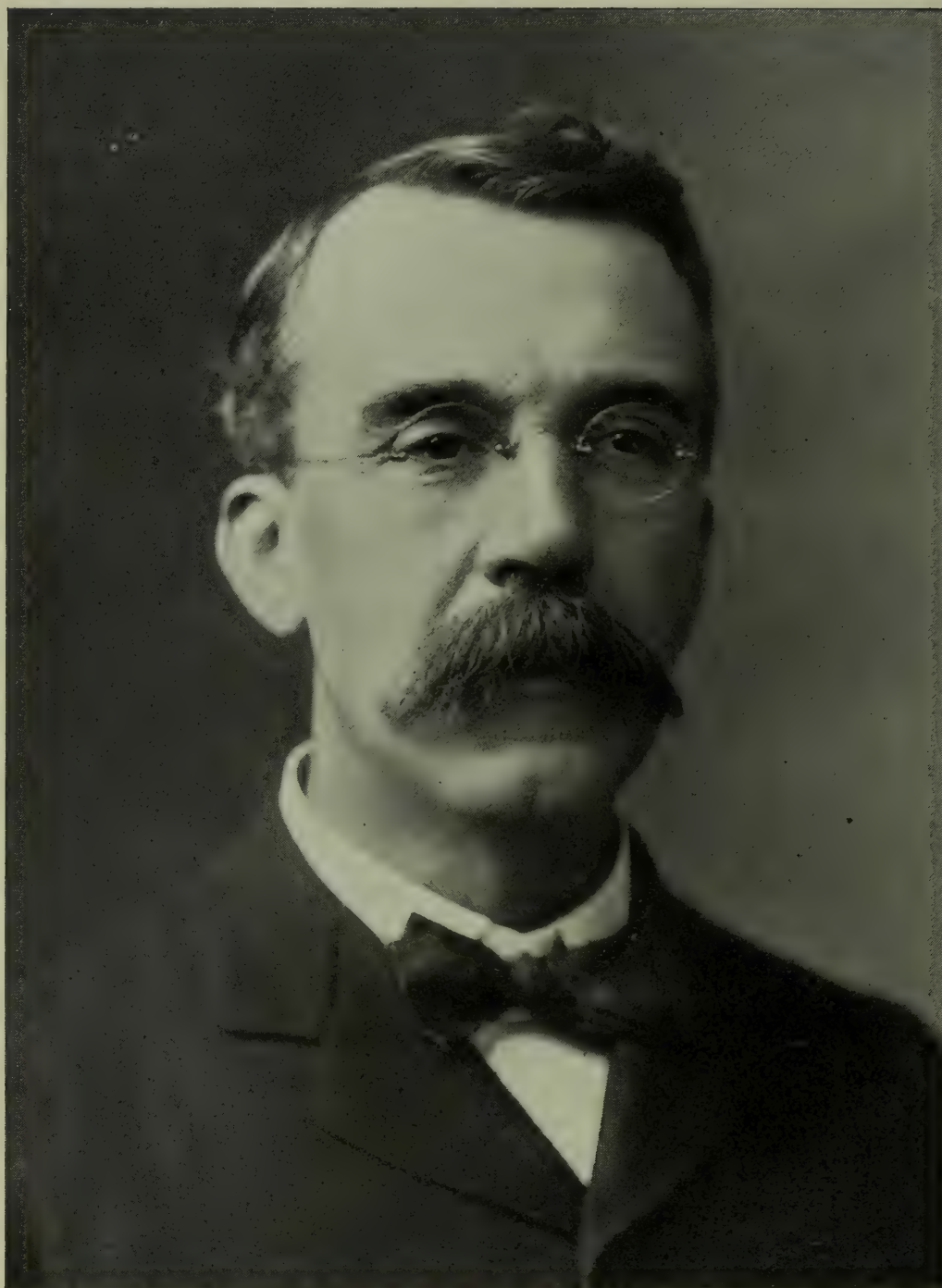
I ask your consideration of the demands for better accommodations for our local police court. The present quarters are inadequate for the transaction of the present volume of business. Perhaps something might be done by private enterprise on these lines, but if this is impossible, it may become the duty of the city to furnish what is necessary for the conduct of the county business.

I ask the attention of the Somerville delegation in the legislature, in case of a tax being levied on automobiles for the benefit of state highways, that they use their best efforts for a just apportionment of the tax to the cities, whose streets are equally affected.

I also ask our state representatives to do all they can to protect and safeguard the city and property holders from the rapacity and extortion of the fire insurance companies doing business in our city. I believe the time has come for rigid investigation and limitation of insurance rates, which are much too high for the losses incurred.

Somerville is to be congratulated upon its unprecedented majority in favor of no-license. Special attention has been given this year to the subject of granting sixth-class liquor licenses, and a strict supervision has been maintained over the holders of such licenses. I respectfully urge a continuance of this watchfulness. The police department, whose entire work has been eminently satisfactory throughout the year, has paid special attention to the no-license law, and I believe that it has been enforced in a satisfactory and efficient manner. The executive and the police department in the coming year will do their best to enforce the law strictly and impartially.

Somerville is a good and honorable city. Upon you and me, in the greatest measure, is laid the obligation to keep it so. We have our opportunities, our responsibilities, our official duties. Let us so deal with them that we may, every man of us, meet the approval of his own conscience,—to him the voice of God,—and thereby merit and rightly hope to gain the esteem of our fellow-men, which, also, when worthily won, is a priceless treasure.



JAMES F. BEARD.

Elected City Treasurer August 9, 1900.

Died July 2, 1906.

James F. Beard

James F. Beard was born in Reading, Mass., October 11, 1849.

Early in his life his father removed to Charlestown, where he received his education. In 1868 he entered Dartmouth College, but owing to sickness in the family, he was obliged to leave at the end of two years.

In 1874 he took charge of the office and finances of the firm of Harrison, Beard & Co., furniture manufacturers, with whom he was associated for nearly twenty years.

He moved to Somerville in 1879.

In 1887, while still in the furniture business, he was elected secretary and treasurer of the Somerville Co-operative Bank, and at the time of his death he was director of the corporation.

In 1892, when the Somerville National Bank was formed, he was elected cashier, which position he held until his election as city treasurer on August 9, 1900.

In 1886 he was elected to the Somerville school board, and in 1900 was president of the board.

He held from time to time positions of trust and honor in various organizations, all of which he filled with a faithfulness and honesty of purpose which made him respected by all with whom he came in contact.

His death on July 2, 1906, after a few hours' illness, came as a great shock to the community, but the memory of his kindness and courtesy to all and his faithfulness to life's duties will always be remembered.

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, January 10, 1907.

To the Honorable, the Mayor, and the Board of Aldermen of the
City of Somerville:—

Gentlemen: The undersigned presents herewith the thirty-fifth annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1906.

Public Property.

The value of the public property of the city December 31, 1905, was \$3,901,675.72. The property acquired during the year was as follows:—

Contagious Disease Hospital	\$3,006 29	
High School Addition	34,457 32	
Fire Escapes, Luther V. Bell School	675 51	
Sanitary Systems in Bell, Bingham, and Edgerly Schools	4,975 93	
Heating Plant, City Home	332 00	
Water Works Extension	19,195 86	
Sewers Construction	\$18,758 66	
Less payments Catch Basin and stock on hand	2,229 75	
	<hr/>	
	\$16,528 91	
Less Contract Reserves	885 81	
	<hr/>	
		15,643 10
		<hr/>
		\$78,286 01
Not previously included:—		
Luther V. Bell Fire Escapes, 1905	\$765 19	
Sewers, cost to January 1, 1906	1,163,936 00	
	<hr/>	
		1,164,701 19
		<hr/>
		\$1,242,987 20

Total public property December 31, 1906, \$5,144,662.92.

Funded Debt.

The funded debt December 31, 1905, as per Table B of the last annual report, was \$1,510,000.

The debt was increased during the year by appropriations as follows:—

Sewers Construction	\$20,000 00
Public Buildings Construction, High School Building Completion	15,000 00
	<hr/>
Amount carried forward	\$35,000 00

Amount brought forward	\$35,000 00
Highways Construction	25,000 00
Highways, Paved Gutters and Crossings	17,500 00
Highways, Shade Trees	500 00
Sidewalks Construction	12,000 00
Renewal of Funded Debt	10,000 00

Total amount of appropriations on Funded Debt account \$100,000 00

To provide for the above-mentioned appropriations, bonds to the amount of \$100,000 at 4 per cent. were issued, viz. :—

City Loan Bonds Nos. 3128 to 3135, payable 1907	\$8,000 00
City Loan Bonds Nos. 3136 to 3143, payable 1908	8,000 00
City Loan Bonds Nos. 3144 to 3151, payable 1909	8,000 00
City Loan Bonds Nos. 3152 to 3159, payable 1910	8,000 00
City Loan Bonds Nos. 3160 to 3167, payable 1911	8,000 00
City Loan Bonds Nos. 3168 to 3174, payable 1912	7,000 00
City Loan Bonds Nos. 3175 to 3181, payable 1913	7,000 00
City Loan Bonds Nos. 3182 to 3188, payable 1914	7,000 00
City Loan Bonds Nos. 3189 to 3195, payable 1915	7,000 00
City Loan Bonds Nos. 3196 to 3202, payable 1916	7,000 00
City Loan Bond No. 3203, payable 1917	1,000 00
City Loan Bond No. 3204, payable 1918	1,000 00
City Loan Bond No. 3205, payable 1919	1,000 00
City Loan Bond No. 3206, payable 1920	1,000 00
City Loan Bond No. 3207, payable 1921	1,000 00
Sewer Loan Bonds Nos. 329 to 378, payable 1907 to 1926	20,000 00

Total amount of bonds issued in 1906 \$100,000 00

The following bonds became due during the year:—

City Loan Bonds Nos. 3310 to 3318, interest 3½ per cent.	\$9,000 00
City Loan Bonds Nos. 1680 to 1685, interest 4 per cent.	6,000 00
City Loan Bonds Nos. 1918 to 1932, interest 4 per cent.	15,000 00
City Loan Bonds Nos. 2140 to 2147, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2303 to 2311, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 2437 to 2446, interest 4 per cent.	10,000 00
City Loan Bonds Nos. 2564 to 2570, interest 4 per cent.	7,000 00
City Loan Bonds Nos. 2686 to 2695, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 2810 to 2817, interest 3½ per cent.	8,000 00
City Loan Bonds Nos. 2924 to 2933, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 3038 to 3046, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 3199 to 3206, interest 4 per cent.	8,000 00
City Loan Bond No. 3207, interest 4 per cent.	500 00
City Loan Bonds Nos. 3154 to 3155, interest 4 per cent.	2,000 00
Sewer Loan Bond No. 329, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 65, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 182, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 206, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 228, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 257, interest 3½ per cent.	1,000 00
Sewer Loan Bond No. 281, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 305, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 48, interest 4½ per cent.	1,000 00
Sewer Loan Bonds Nos. 114 to 116, interest 4 per cent.	3,000 00
Paving Loan Bonds Nos. 66 to 70, interest 4 per cent.,	5,000 00
Water Loan Bond No. 457, interest 4 per cent.	1,000 00
Water Loan Bonds Nos. 356 to 358, interest 4 per cent.	3,000 00

Amount carried forward \$132,500 00

Amount brought forward	\$132,500 00
Water Loan Bonds Nos. 454 to 455, interest 4 per cent.	2,000 00
Water Loan Bonds Nos. 30 to 31, interest 5½ per cent.	10,000 00
Metropolitan Park Assessment Loan Bond No. 4, interest 3½ per cent.	1,000 00
Total amount of bonds maturing in 1906	<u>\$145,500 00</u>

Under the authority of Ordinance No. 59, approved July 27, 1906, \$257,000 of coupon bonds have been exchanged for registered bonds, leaving the net funded debt December 31, 1906, as per Table B, \$1,464,500, classified as follows:—

	Registered.	Coupon.
City Loan Bonds at 3½ per cent.	\$119,000 00	\$231,000 00
City Loan Bonds at 4 per cent.	64,000 00	668,500 00
Sewer Loan Bonds at 3½ per cent.	32,000 00	43,000 00
Sewer Loan Bonds at 4 per cent.	7,000 00	156,000 00
Sewer Loan Bonds at 4½ per cent.	1,000 00	4,000 00
Paving Loan Bonds at 4 per cent.		30,000 00
Water Loan Bonds at 4 per cent.	31,000 00	55,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent.	3,000 00	20,000 00
	<u>\$257,000 00</u>	<u>\$1,207,500 00</u>
Registered Bonds		\$257,000 00
Coupon Bonds		1,207,500 00
		<u>\$1,464,500 00</u>
Total Funded Debt, City Loan	\$1,082,500 00	
Total Funded Debt, Water Loan	86,000 00	
Total Funded Debt, Paving Loan (outside legal limit)	30,000 00	
Total Funded Debt, Sewer Loan	186,000 00	
Total Funded Debt, Sewer Loan (outside legal limit)	57,000 00	
Total Funded Debt, Metropolitan Park Assessment Loan (outside legal limit)	23,000 00	
	<u></u>	<u>\$1,464,500 00</u>

Resources.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was duly received.

The total amount of taxable property was \$60,371,500, and the rate of taxation was \$17.40 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$54,367,700 00
Personal estate, valuation	5,907,960 00
Non-resident bank shares	95,840 00
Total valuation	<u>\$60,371,500 00</u>
At a rate of \$17.40 on \$1,000 valuation	\$1,050,464 10
Polls, 20,069 at \$2	40,138 00
Amount carried forward	<u>\$1,090,602 10</u>

Amount brought forward	\$1,090,602 10
Street watering	22,309 64
Suppression of gypsy and brown-tail moths	1,111 88
Total amount of tax levy	\$1,114,023 62
Borrowed on Funded Debt account to provide for the cost of public improvements and renewals of debt	100,000 00
Water works income	231,593 41
National bank and corporation taxes, applied to Police	30,608 45
Court fees, fines, etc., applied to Police	3,840 00
County of Middlesex, dog licenses, applied to Public Library	4,386 83
Street Railway tax for the year 1906, applied to Highways Maintenance	48,329 06
Boston Elevated Railway tax for the year 1906, applied to Highways Maintenance	8,417 89
Total amount of resources	\$1,541,229 29

Appropriations from Funded Debt and from Income.

Balances unused and in process:—

CREDIT BALANCES.

Highways Construction	\$2,879 89
Highways Maintenance	1,023 60
Highways, Paving Broadway, Bow and Summer streets	688 04
Public Buildings Construction, Luther V. Bell Fire Escapes	59 30
Public Library, Isaac Pitman Income Fund, Art	138 36
Public Library, Isaac Pitman Income Fund, Poetry	79 83
Grade Crossings	373 51
Sewers Construction	3,454 11
Electrical Department, Underground Construction	239 80
	<hr/>
	\$9,859 44

Cash.

Balance on hand January 1, 1906	\$116,483 89
Total cash receipts for the year 1906	2,324,580 36
	<hr/>
Total cash disbursements for the year 1906	\$2,441,064 25
	<hr/>
Balance in the treasury December 31, 1906	\$92,876 74
Deposits in banks	\$89,503 50
Cash on hand	3,373 24
	<hr/>
	\$92,876 74

Assets and Liabilities.

The assets of the city available for the payment of its unfunded liabilities are as follows;—

Available assets:—

Contagious Disease Hospital, Department accounts	\$2,329 24	
Commonwealth of Massachusetts	19,760 96	
Highway Betterment Assessments uncollected	2,990 95	
Metered Water Charges uncollected	26,272 58	
Real Estate Liens	2,340 61	
Sewer Assessments uncollected	3,958 46	
Sidewalk Assessments uncollected	5,543 82	
Taxes uncollected	250,038 94	
Cash in treasury	92,876 74	
		\$406,112 30

Unfunded liabilities:—

Coupons unpaid	\$22,175 00	
Reduction of Funded Debt	13,000 00	
Overplus on Tax Sales	118 13	
Sundry Persons	524 21	
Temporary Loans	350,000 00	
		385,817 34
		<u>\$20,294 96</u>

Balance Sheet.

DEBIT.

Public Property	\$5,144,662 92	
Excess of available assets	20,294 96	
		\$5,164,957 88

CREDIT.

Excess of appropriations from tax levy . .	\$1,427 41	
Excess of appropriations from Funded Debt	9,859 44	
Excess of appropriations from tax levy, Overlay and Abatement	9,008 11	
Present Funded Debt	1,464,500 00	
	\$1,484,794 96	
Property and Debt Balance or Municipal Capital	3,680,162 92	
		<u>\$5,164,957 88</u>

A detailed statement of the public property, funded debt, and the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,

JOSEPH S. PIKE,

Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1906.

Central Hill land (389,920 feet)		\$270,000 00
City Hall	\$35,332 32	
Furniture and fixtures	10,000 00	
		45,332 32
Public Library building	42,000 00	
Public Library	25,000 00	
		67,000 00
City Hall Annex		20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	36,000 00	
Furniture	1,080 00	
Books	530 00	
		37,610 00
Bingham Schoolhouse, land (35,586 feet) and building	67,405 04	
Furniture	2,600 00	
Books	2,300 00	
		72,305 04
Purns Schoolhouse, land (16,080 feet) and building	33,300 00	
Furniture	1,460 00	
Books	1,000 00	
		35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	78,600 00	
Furniture	2,160 00	
Books	2,600 00	
		83,360 00
Cummings Schoolhouse, land (11,300 feet) and building	11,200 00	
Furniture	720 00	
Books	500 00	
		12,420 00
Davis Schoolhouse, land (30,155 feet) and building	22,000 00	
Furniture	720 00	
Books	400 00	
		23,120 00
Edgerly Schoolhouse, land (24,000 feet) and building	43,800 00	
Furniture	2,230 00	
Books	2,800 00	
		48,830 00
English High Schoolhouse	134,000 00	
Furniture	3,900 00	
Philosophical and manual training apparatus	8,200 00	
Books	12,000 00	
		158,100 00
Amount carried forward		\$874,492 38

Amount brought forward		\$874,492 38	
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00		
Furniture	3,290 00		
Books	4,100 00		
			89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00		
Furniture	1,155 64		
Books	450 00		
			33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet)	41,029 16		
Furniture	1,791 30		
Books	1,200 00		
			44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00		
Furniture	720 00		
Books	500 00		
			20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00		
Furniture	2,560 00		
Books	2,800 00		
			63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00		
Furniture	2,340 00		
Books	2,100 00		
			82,640 00
Latin High Schoolhouse	110,994 76		
Furniture	2,000 00		
Philosophical apparatus	500 00		
Books	3,300 00		
			116,794 76
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00		
Furniture	720 00		
Books	500 00		
			18,720 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	46,496 63		
Furniture	2,400 00		
Books	2,400 00		
			51,296 63
Martin W. Carr Schoolhouse, land (20,450 feet) and building	51,000 00		
Furniture	2,800 00		
Books	2,800 00		
			56,600 00
Morse Schoolhouse, land (29,000 feet) and building	45,859 00		
Furniture	2,340 00		
Books	2,800 00		
			50,999 00
Martha Perry Lowe Schoolhouse, land (21,- 650 feet) and building	50,346 16		
Furniture	1,480 00		
Books	800 00		
			52,626 16
Amount carried forward			\$1,554,565 03

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 27

Amount brought forward		\$1,554,565 03	
O. S. Knapp Schoolhouse, land (24,517 feet)			
and building	48,000 00		
Furniture	2,540 00		
Books	3,000 00		
			53,540 00
Prescott Schoolhouse, land (22,000 feet) and			
building	64,000 00		
Furniture	2,260 00		
Books	2,700 00		
			68,960 00
Prospect-hill Schoolhouse, land (23,733 feet)			
and building			15,000 00
Benjamin G. Brown Schoolhouse, land			
(20,093 feet) and building	38,400 00		
Furniture	1,290 16		
Books	700 00		
			40,390 16
Sanford Hanscom Schoolhouse, land (12,756			
feet) and building	48,500 00		
Furniture	1,080 00		
Books	500 00		
			50,080 00
Clark W. Bennett Schoolhouse, land (16,250			
feet) and building	57,268 32		
Furniture	2,180 00		
Books	1,000 00		
			60,448 32
William H. Hodgkins Schoolhouse, land			
(35,034 feet) and building	69,300 00		
Furniture	2,400 00		
Books	2,300 00		
			74,000 00
City Stables, dwelling houses and 462,623			
feet of land	84,000 00		
Health Department, shed	1,189 79		
Equipments for highway repairs	21,690 00		
Watering carts and sheds	5,000 00		
			111,879 79
Water Works, land and buildings (93,500 feet)			32,000 00
No. 1 Fire Station, land (8,937 feet) and			
building	33,200 00		
Engine No. 2 and apparatus	4,000 00		
Hose wagon No. 1 and apparatus	1,500 00		
Furniture	400 00		
			39,100 00
No. 2 Fire Station, land (5,500 feet) and			
building	10,400 00		
Furniture	400 00		
Hose wagon No. 2 and apparatus	1,500 00		
			12,300 00
No. 3 Fire Station, land (13,700 feet) and			
building	55,743 18		
Furniture	400 00		
Hose wagon No. 3 and apparatus	1,500 00		
Hook and ladder truck and apparatus	3,400 00		
Engine No. 3	5,375 00		
			66,418 18
Amount carried forward			\$2,178,681 48

Amount brought forward		\$2,178,681 48
No. 4 Fire Station, land (9,100 feet) and building	15,500 00	
Furniture	400 00	
Engine No. 4 and apparatus	4,000 00	
Combination wagon and apparatus	2,500 00	
	<hr/>	22,400 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00	
Furniture	400 00	
Hose wagon No. 5 and apparatus	1,500 00	
	<hr/>	18,400 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00	
Furniture	600 00	
Apparatus	4,850 00	
	<hr/>	23,050 00
Hook and Ladder Station No. 2, land (9,903 feet) and building	14,100 00	
Furniture	1,200 00	
Apparatus	7,500 00	
	<hr/>	22,800 00
Central Fire Station, land (11,738 feet) and building	36,700 00	
Furniture	500 00	
Engine No. 1 and apparatus	4,000 00	
Hose wagon and apparatus	2,000 00	
Two relief hose carriages	1,000 00	
One relief hook and ladder	400 00	
Chemical Engine A and equipment	2,498 53	
	<hr/>	47,098 53
Fire Alarm and Police Signal apparatus		36,610 00
Police Station, land (15,225 feet) and building	54,000 00	
Furniture	3,000 00	
	<hr/>	57,000 00
City Home, Broadway, land (421,646 feet) and buildings	36,807 64	
Furniture	1,426 09	
	<hr/>	38,233 73
Contagious Disease Hospital	7,193 76	
Land (88,364 feet)	15,600 00	
	<hr/>	22,793 76
Water Works		869,041 81
Sewers		1,179,579 10
Prospect street, land (7,918 feet) and building		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet)		270,000 00
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (288,764 square feet)	63,200 00	
Out-door Gymnasium	800 00	
	<hr/>	64,000 00
Prospect-hill Park (94,503 feet)	67,511 75	
Historical Building and Observatory	9,119 55	
	<hr/>	76,631 30
Franklin Park (40,000 feet)		12,000 00
Powder-House Boulevard (200,618 square feet) and building		22,500 00
	<hr/>	
Amount carried forward		\$5,035,619 71

Amount brought forward	\$5,035,619 71
Joy street, land (2,700 feet)	500 00
Broadway, land (10,890 feet)	2,300 00
College avenue, land (18,000 feet)	6,000 00
Webster avenue, land (10,000 feet)	2,500 00
Holland street, land (217,800 feet)	35,500 00
Gravel land in Waltham (about 35 acres)	15,000 00
Rifle Range, building	693 21
	<hr/>
	15,693 21
Gravel land rear North street (199,043 feet)	4,000 00
Oliver street, land (40,500 feet)	18,000 00
Whipple street, land (15,240 feet)	3,000 00
Beacon street, land (10,000 feet)	2,800 00
Passageway on Putnam street (1,135 feet)	400 00
Stand Pipe lot (17,176 feet)	5,100 00
Glen street, land (6,370 feet)	2,300 00
Somerville avenue, land (305 feet)	300 00
Broadway, junction Main street, land (1,260 feet)	900 00
Joy-street playground (20,000 feet)	9,750 00
	<hr/>
Total amount of public property	\$5,144,662 92

TABLE B.—FUNDED DEBT DECEMBER 31, 1906.
City Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
April 1, 1905	3,319 to 3,327	3½	Apr. 1, 1907	\$1,000	\$9,000	.....
July 1, 1894	1,686 to 1,691	4	July 1, 1907	1,000	6,000	.....
July 1, 1895	1,933 to 1,947	4	July 1, 1907	1,000	15,000	.....
July 1, 1896	2,148 to 2,155	4	July 1, 1907	1,000	8,000	.....
July 1, 1897	2,312 to 2,320	4	July 1, 1907	1,000	9,000	.....
July 1, 1898	2,447 to 2,456	4	July 1, 1907	1,000	10,000	.....
July 1, 1899	2,571 to 2,577	4	July 1, 1907	1,000	7,000	.....
July 2, 1900	2,696 to 2,705	3½	July 1, 1907	1,000	10,000	.....
July 1, 1901	2,818 to 2,825	3½	July 1, 1907	1,000	8,000	.....
July 1, 1902	2,934 to 2,942	3½	July 1, 1907	1,000	9,000	.....
July 1, 1903	3,047 to 3,055	4	July 1, 1907	1,000	9,000	.....
July 1, 1904	3,208 to 3,215	4	July 1, 1907	1,000	8,000	.....
July 1, 1904	3,216	4	July 1, 1907	500	500	.....
July 1, 1906	3,428 to 3,435	4	July 1, 1907	1,000	8,000	.....
Oct. 1, 1903	3,156 to 3,157	4	Oct. 1, 1907	1,000	2,000	.....
April 1, 1905	Reg. 113	3½	Apr. 1, 1908	.....	.....	\$9,000
July 1, 1894	1,692 to 1,694	4	July 1, 1908	1,000	5,000	.....
	1,696 to 1,697					
July 1, 1894	Reg. 176	4	July 1, 1908	.....	.....	1,000
July 1, 1895	1,948 to 1,962	4	July 1, 1908	1,000	15,000	.....
July 1, 1896	2,156 to 2,163	4	July 1, 1908	1,000	8,000	.....
July 1, 1897	2,321 to 2,325	4	July 1, 1908	1,000	5,000	.....
July 1, 1898	2,457 to 2,465	4	July 1, 1908	1,000	9,000	.....
July 1, 1899	2,578 to 2,584	4	July 1, 1908	1,000	7,000	.....
July 2, 1900	2,706 to 2,715	3½	July 1, 1908	1,000	10,000	.....
July 1, 1901	2,826 to 2,832	3½	July 1, 1908	1,000	7,000	.....
July 1, 1902	2,943 to 2,951	3½	July 1, 1908	1,000	9,000	.....
July 1, 1903	3,056 to 3,064	4	July 1, 1908	1,000	9,000	.....
July 1, 1904	3,217 to 3,224	4	July 1, 1908	1,000	8,000	.....
July 1, 1904	3,225	4	July 1, 1908	500	500	.....
	Amounts	carried	forward . .	.....	\$211,000	\$10,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$211,000	\$10,000
July 1, 1906	3,436 to 3,443	4	July 1, 1908	\$1,000	8,000	.....
Oct. 1, 1903	3,158 to 3,159	4	Oct. 1, 1908	1,000	2,000	.....
April 1, 1905	Reg. 114	3½	Apr. 1, 1909	.....	.....	9,000
July 1, 1894	1,698 to 1,703	4	July 1, 1909	1,000	6,000	.....
July 1, 1895	1,963 to 1,976	4	July 1, 1909	1,000	14,000	.....
July 1, 1896	Reg. 171	4	July 1, 1909	.....	.....	8,000
July 1, 1897	2,326 to 2,330	4	July 1, 1909	1,000	5,000	.....
July 1, 1898	2,466 to 2,470	4	July 1, 1909	1,000	5,000	.....
July 1, 1899	2,585 to 2,591	4	July 1, 1909	1,000	7,000	.....
July 2, 1900	2,716 to 2,725	3½	July 1, 1909	1,000	10,000	.....
July 1, 1901	2,833 to 2,839	3½	July 1, 1909	1,000	7,000	.....
July 1, 1902	Reg. 163	3½	July 1, 1909	.....	.....	9,000
July 1, 1903	3,065 to 3,073	4	July 1, 1909	1,000	9,000	.....
July 1, 1904	3,226 to 3,233	4	July 1, 1909	1,000	8,000	.....
July 1, 1904	3,234	4	July 1, 1909	500	500	.....
July 1, 1906	3,444 to 3,451	4	July 1, 1909	1,000	8,000	.....
Oct. 1, 1903	3,160 to 3,161	4	Oct. 1, 1909	1,000	2,000	.....
April 1, 1905	Reg. 115	3½	Apr. 1, 1910	.....	.....	9,000
July 1, 1894	1,704 to 1,709	4	July 1, 1910	1,000	6,000	.....
July 1, 1895	1,977 to 1,990	4	July 1, 1910	1,000	14,000	.....
July 1, 1896	2,172 to 2,176	4	July 1, 1910	1,000	5,000	.....
July 1, 1896	Reg. 172	4	July 1, 1910	.....	.....	3,000
July 1, 1897	2,331 to 2,335	4	July 1, 1910	1,000	5,000	.....
July 1, 1898	2,471 to 2,475	4	July 1, 1910	1,000	5,000	.....
July 1, 1899	2,592 to 2,595	4	July 1, 1910	1,000	4,000	.....
July 2, 1900	2,726 to 2,735	3½	July 1, 1910	1,000	10,000	.....
July 1, 1901	2,840 to 2,846	3½	July 1, 1910	1,000	7,000	.....
July 1, 1902 {	2,961 to 2,966	{ 3½	July 1, 1910	1,000	8,000	.....
	2,968 to 2,969					
July 1, 1902	Reg. 164	3½	July 1, 1910	.....	.....	1,000
	Amounts	carried	forward . .	.....	\$366,500	\$49,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg Bonds.
	Amounts	brought	forward . .	.....	\$366,500	\$49,000
July 1, 1903	3,074 to 3,082	4	July 1, 1910	\$1,000	9,000	.....
July 1, 1904	3,235 to 3,239	4	July 1, 1910	1,000	5,000	.....
July 1, 1904	3,240	4	July 1, 1910	500	500	.....
July 1, 1904	3,241 to 3,242	4	July 1, 1910	1,000	2,000	.....
July 1, 1904	3,243	4	July 1, 1910	500	500	.....
July 1, 1906	Reg. 7	4	July 1, 1910	.....	.....	8,000
Oct. 1, 1903	3,162 to 3,163	4	Oct. 1, 1910	1,000	2,000	.....
April 1, 1905	Reg. 116	3½	Apr. 1, 1911	.....	.....	9,000
July 1, 1894	1,710 to 1,715	4	July 1, 1911	1,000	6,000	.....
July 1, 1895	1,991 to 2,004	4	July 1, 1911	1,000	14,000	.....
July 1, 1896	2,180 to 2,187	4	July 1, 1911	1,000	8,000	.....
July 1, 1897	2,336 to 2,340	4	July 1, 1911	1,000	5,000	.....
July 1, 1898	2,476 to 2,480	4	July 1, 1911	1,000	5,000	.....
July 1, 1899	2,596 to 2,599	4	July 1, 1911	1,000	4,000	.....
July 2, 1900	2,736 to 2,740	3½	July 1, 1911	1,000	5,000	.....
July 1, 1901	2,847 to 2,853	3½	July 1, 1911	1,000	7,000	.....
July 1, 1902	2,974 to 2,975	3½	July 1, 1911	1,000	2,000	.....
July 1, 1902	Reg. 165	3½	July 1, 1911	.....	.....	7,000
July 1, 1903	3,083 to 3,091	4	July 1, 1911	1,000	9,000	.....
July 1, 1904	3,244 to 3,248	4	July 1, 1911	1,000	5,000	.....
July 1, 1904	3,249	4	July 1, 1911	500	500	.....
July 1, 1904	3,250 to 3,251	4	July 1, 1911	1,000	2,000	.....
July 1, 1904	3,252	4	July 1, 1911	500	500	.....
July 1, 1906	3,460 to 3,464	4	July 1, 1911	1,000	5,000	.....
July 1, 1906	Reg. 13	4	July 1, 1911	.....	.....	3,000
Oct. 1, 1903	3,164 to 3,165	4	Oct. 1, 1911	1,000	2,000	.....
April 1, 1905	Reg. 117	3½	Apr. 1, 1912	.....	.....	9,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	1,000	6,000	.....
July 1, 1895	2,005 to 2,018	4	July 1, 1912	1,000	14,000	.....
July 1, 1896	2,188 to 2,194	4	July 1, 1912	1,000	7,000	.....
	Amounts	carried	forward . .	.....	\$492,500	\$85,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$492,500	\$85,000
July 1, 1897	2,341 to 2,344	4	July 1, 1912	\$1,000	4,000	.....
July 1, 1898	2,481 to 2,485	4	July 1, 1912	1,000	5,000	.....
July 1, 1899	2,600 to 2,603	4	July 1, 1912	1,000	4,000	.....
July 2, 1900	2,741 to 2,745	3½	July 1, 1912	1,000	5,000	.....
July 1, 1901	2,854 to 2,857	3½	July 1, 1912	1,000	4,000	.....
July 1, 1902 {	2,979 to 2,980 2,982 to 2,987	{ 3½	July 1, 1912	1,000	7,000	.....
July 1, 1902	Reg. 166	3½	July 1, 1912	.....	.....	2,000
July 1, 1903	3,092 to 3,100	4	July 1, 1912	1,000	9,000	.....
July 1, 1904	3,253 to 3,257	4	July 1, 1912	1,000	5,000	.....
July 1, 1904	3,258	4	July 1, 1912	500	500	.....
July 1, 1904	3,259 to 3,260	4	July 1, 1912	1,000	2,000	.....
July 1, 1904	3,261	4	July 1, 1912	500	500	.....
July 1, 1906	Reg. 8	4	July 1, 1912	.....	.....	7,000
Oct. 1, 1903	3,166 to 3,167	4	Oct. 1, 1912	1,000	2,000	.....
April 1, 1905	Reg. 118	3½	Apr. 1, 1913	.....	.....	9,000
July 1, 1894	1,722 to 1,727	4	July 1, 1913	1,000	6,000	.....
July 1, 1895	2,019 to 2,031	4	July 1, 1913	1,000	13,000	.....
July 1, 1896	2,195 to 2,201	4	July 1, 1913	1,000	7,000	.....
July 1, 1897	2,345 to 2,348	4	July 1, 1913	1,000	4,000	.....
July 1, 1898	2,486 to 2,490	4	July 1, 1913	1,000	5,000	.....
July 1, 1899	2,604 to 2,607	4	July 1, 1913	1,000	4,000	.....
July 2, 1900	2,746 to 2,749	3½	July 1, 1913	1,000	4,000	.....
July 1, 1901	2,858 to 2,861	3½	July 1, 1913	1,000	4,000	.....
July 1, 1902	2,988 to 2,990	3½	July 1, 1913	1,000	3,000	.....
July 1, 1903	3,101 to 3,109	4	July 1, 1913	1,000	9,000	.....
July 1, 1904	3,262 to 3,266	4	July 1, 1913	1,000	5,000	.....
July 1, 1904	3,267	4	July 1, 1913	500	500	.....
July 1, 1904	3,268 to 3,269	4	July 1, 1913	1,000	2,000	.....
July 1, 1904	3,270	4	July 1, 1913	500	500	.....
July 1, 1906	Reg. 9	4	July 1, 1913	.....	.....	7,000
	Amounts	carried	forward . .	.....	\$607,500	\$110,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$607,500	\$110,000
Oct. 1, 1903	3,168 to 3,169	4	Oct. 1, 1913	\$1,000	2,000	.....
April 1, 1905	Reg. 119	3½	Apr. 1, 1914	.....	.....	8,000
July 1, 1894	1,728 to 1,733	4	July 1, 1914	1,000	6,000	.....
July 1, 1895	2,032 to 2,044	4	July 1, 1914	1,000	13,000	.....
July 1, 1896	2,202 to 2,206	4	July 1, 1914	1,000	5,000	.....
July 1, 1896	Reg. 173	4	July 1, 1914	.....	.....	2,000
July 1, 1897	2,349 to 2,352	4	July 1, 1914	1,000	4,000	.....
July 1, 1898	2,491 to 2,495	4	July 1, 1914	1,000	5,000	.....
July 1, 1899	2,608 to 2,611	4	July 1, 1914	1,000	4,000	.....
July 2, 1900	2,750 to 2,753	3½	July 1, 1914	1,000	4,000	.....
July 1, 1901	2,862 to 2,865	3½	July 1, 1914	1,000	4,000	.....
July 1, 1902	2,991 to 2,993	3½	July 1, 1914	1,000	3,000	.....
July 1, 1903	3,110 to 3,113	4	July 1, 1914	1,000	4,000	.....
July 1, 1904	3,271 to 3,275	4	July 1, 1914	1,000	5,000	.....
July 1, 1904	3,276	4	July 1, 1914	500	500	.....
July 1, 1904	3,277 to 3,278	4	July 1, 1914	1,000	2,000	.....
July 1, 1904	3,279	4	July 1, 1914	500	500	.....
July 1, 1906	Reg. 10	4	July 1, 1914	.....	.....	7,000
Oct. 1, 1903	3,170 to 3,171	4	Oct. 1, 1914	1,000	2,000	.....
April 1, 1905	Reg. 120	3½	Apr. 1, 1915	.....	.....	8,000
July 1, 1895	2,045 to 2,057	4	July 1, 1915	1,000	13,000	.....
July 1, 1896	2,209 to 2,215	4	July 1, 1915	1,000	7,000	.....
July 1, 1897	2,353 to 2,356	4	July 1, 1915	1,000	4,000	.....
July 1, 1898	2,496 to 2,500	4	July 1, 1915	1,000	5,000	.....
July 1, 1899	2,612 to 2,614	4	July 1, 1915	1,000	3,000	.....
July 2, 1900	2,754 to 2,757	3½	July 1, 1915	1,000	4,000	.....
July 1, 1901	2,866 to 2,869	3½	July 1, 1915	1,000	4,000	.....
July 1, 1902	2,994 to 2,996	3½	July 1, 1915	1,000	3,000	.....
July 1, 1903	Reg. 175	4	July 1, 1915	.....	.....	4,000
	Amounts	carried	forward . .	.....	\$714,500	\$139,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$714,500	\$139,000
July 1, 1904	3,280 to 3,281	4	July 1, 1915	\$1,000	2,000	.....
July 1, 1904	3,282	4	July 1, 1915	500	500	.....
July 1, 1906	Reg. 11	4	July 1, 1915	.....	.....	7,000
Oct. 1, 1903	3,172 to 3,173	4	Oct. 1, 1915	1,000	2,000	.....
April 1, 1905	Reg. 121	3½	Apr. 1, 1916	.....	.....	3,000
July 1, 1896	2,216 to 2,222	4	July 1, 1916	1,000	7,000	.....
July 1, 1897	2,357 to 2,360	4	July 1, 1916	1,000	4,000	.....
July 1, 1898	2,501 to 2,505	4	July 1, 1916	1,000	5,000	.....
July 1, 1899	2,615 to 2,617	4	July 1, 1916	1,000	3,000	.....
July 2, 1900	2,758 to 2,761	3½	July 1, 1916	1,000	4,000	.....
July 1, 1901	2,870 to 2,873	3½	July 1, 1916	1,000	4,000	.....
July 1, 1902	2,997 to 2,999	3½	July 1, 1916	1,000	3,000	.....
July 1, 1903	3,118 to 3,121	4	July 1, 1916	1,000	4,000	.....
July 1, 1904	3,283 to 3,284	4	July 1, 1916	1,000	2,000	.....
July 1, 1904	3,285	4	July 1, 1916	500	500	.....
July 1, 1906	Reg. 12	4	July 1, 1916	.....	.....	7,000
Oct. 1, 1903	3,174 to 3,175	4	Oct. 1, 1916	1,000	2,000	.....
April 1, 1905	Reg. 122	3½	Apr. 1, 1917	.....	.....	3,000
July 1, 1897	2,361 to 2,364	4	July 1, 1917	1,000	4,000	.....
July 1, 1898	2,506 to 2,510	4	July 1, 1917	1,000	5,000	.....
July 1, 1899	2,618 to 2,620	4	July 1, 1917	1,000	3,000	.....
July 2, 1900	2,762 to 2,765	3½	July 1, 1917	1,000	4,000	.....
July 1, 1901	2,874 to 2,877	3½	July 1, 1917	1,000	4,000	.....
July 1, 1902	3,000 to 3,002	3½	July 1, 1917	1,000	3,000	.....
July 1, 1903	3,122 to 3,125	4	July 1, 1917	1,000	4,000	.....
July 1, 1904	3,286 to 3,287	4	July 1, 1917	1,000	2,000	.....
July 1, 1904	3,288	4	July 1, 1917	500	500	.....
July 1, 1906	3,503	4	July 1, 1917	1,000	1,000	.....
Oct. 1, 1903	3,176 to 3,177	4	Oct. 1, 1917	1,000	2,000	.....
April 1, 1905	Reg. 123	3½	Apr. 1, 1918	.....	.....	3,000
	Amounts	carried	forward . .	.....	\$790,000	\$162,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought forward . .		.....	\$790,000	\$162,000
July 1, 1898	2,511 to 2,515	4	July 1, 1918	\$1,000	5,000	.....
July 1, 1899	2,621 to 2,623	4	July 1, 1918	1,000	3,000	.....
July 2, 1900	2,766 to 2,769	3½	July 1, 1918	1,000	4,000	.....
July 1, 1901	2,878 to 2,881	3½	July 1, 1918	1,000	4,000	.....
July 1, 1902	3,003 to 3,005	3½	July 1, 1918	1,000	3,000	.....
July 1, 1903	3,126 to 3,129	4	July 1, 1918	1,000	4,000	.....
July 1, 1904	3,289 to 3,290	4	July 1, 1918	1,000	2,000	.....
July 1, 1904	3,291	4	July 1, 1918	500	500	.....
July 1, 1906	3,504	4	July 1, 1918	1,000	1,000	.....
Oct. 1, 1903	3,178 to 3,179	4	Oct. 1, 1918	1,000	2,000	.....
April 1, 1905	Reg. 124	3½	Apr. 1, 1919	.....	.....	3,000
July 1, 1899	2,624 to 2,625	4	July 1, 1919	1,000	2,000	.....
July 2, 1900	2,770 to 2,773	3½	July 1, 1919	1,000	4,000	.....
July 1, 1901	2,882 to 2,885	3½	July 1, 1919	1,000	4,000	.....
July 1, 1902	3,006 to 3,008	3½	July 1, 1919	1,000	3,000	.....
July 1, 1903	3,130 to 3,133	4	July 1, 1919	1,000	4,000	.....
July 1, 1904	3,292 to 3,293	4	July 1, 1919	1,000	2,000	.....
July 1, 1904	3,294	4	July 1, 1919	500	500	.....
July 1, 1906	3,505	4	July 1, 1919	1,000	1,000	.....
Oct. 1, 1903	3,180 to 3,181	4	Oct. 1, 1919	1,000	2,000	.....
April 1, 1905	Reg. 125	3½	Apr. 1, 1920	.....	.....	3,000
July 2, 1900	2,774 to 2,777	3½	July 1, 1920	1,000	4,000	.....
July 1, 1901	2,886 to 2,889	3½	July 1, 1920	1,000	4,000	.....
July 1, 1902	3,009 to 3,011	3½	July 1, 1920	1,000	3,000	.....
July 1, 1903	3,134 to 3,137	4	July 1, 1920	1,000	4,000	.....
July 1, 1904	3,295 to 3,296	4	July 1, 1920	1,000	2,000	.....
July 1, 1904	3,297	4	July 1, 1920	500	500	.....
July 1, 1906	3,506	4	July 1, 1920	1,000	1,000	.....
Oct. 1, 1903	3,182 to 3,183	4	Oct. 1, 1920	1,000	2,000	.....
April 1, 1905	Reg. 126	3½	Apr. 1, 1921	.....	.....	3,000
	Amounts	carried forward . .		.....	\$861,500	\$171,000

CITY LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	. . . .	\$861,500	\$171,000
July 1, 1901	2,890 to 2,893	3½	July 1, 1921	\$1,000	4,000	.....
July 1, 1902	3,012 to 3,014	3½	July 1, 1921	1,000	3,000	.....
July 1, 1903	3,138 to 3,141	4	July 1, 1921	1,000	4,000	.....
July 1, 1904	3,298 to 3,299	4	July 1, 1921	1,000	2,000	.....
July 1, 1904	3,300	4	July 1, 1921	500	500	.....
July 1, 1906	3,507	4	July 1, 1921	1,000	1,000	.....
Oct. 1, 1903	3,184 to 3,185	4	Oct. 1, 1921	1,000	2,000	.....
April 1, 1905	Reg. 127	3½	Apr. 1, 1922	.....	.....	3,000
July 1, 1902	3,015 to 3,016	3½	July 1, 1922	1,000	2,000	.....
July 1, 1903	3,142 to 3,145	4	July 1, 1922	1,000	4,000	.....
July 1, 1904	3,301 to 3,302	4	July 1, 1922	1,000	2,000	.....
July 1, 1904	3,303	4	July 1, 1922	500	500	.....
Oct. 1, 1903	3,186 to 3,187	4	Oct. 1, 1922	1,000	2,000	.....
April 1, 1905	Reg. 128	3½	Apr. 1, 1923	.....	.....	3,000
July 1, 1903	3,146 to 3,149	4	July 1, 1923	1,000	4,000	.....
July 1, 1904	3,304 to 3,305	4	July 1, 1923	1,000	2,000	.....
July 1, 1904	3,306	4	July 1, 1923	500	500	.....
Oct. 1, 1903	3,188 to 3,189	4	Oct. 1, 1923	1,000	2,000	.....
April 1, 1905	Reg. 129	3½	Apr. 1, 1924	.....	.....	3,000
July 1, 1904	3,307 to 3,308	4	July 1, 1924	1,000	2,000	.....
July 1, 1904	3,309	4	July 1, 1924	500	500	.....
April 1, 1905	Reg. 130	3½	Apr. 1, 1925	.....	.....	3,000
					\$899,500	\$183,000

Coupon Bonds . . . \$899,500

Registered Bonds . . . 183,000

Total amount of City Loan Bonds \$1,082,500

Sewer Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
April 1, 1905	330	3½	Apr. 1, 1907	\$1,000	\$1,000	.....
July 1, 1894	66	4	July 1, 1907	1,000	1,000	.....
July 1, 1897	183	4	July 1, 1907	1,000	1,000	.....
July 1, 1898	207	4	July 1, 1907	1,000	1,000	.....
July 1, 1901	229	3½	July 1, 1907	1,000	1,000	.....
July 1, 1902	258	3½	July 1, 1907	1,000	1,000	.....
July 1, 1903	282	4	July 1, 1907	1,000	1,000	.....
July 1, 1904	306	4	July 1, 1907	1,000	1,000	.....
July 1, 1906	359	4	July 1, 1907	1,000	1,000	.....
Oct. 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000	.....
April 1, 1905	Reg. 131	3½	Apr. 1, 1908	.....	.....	\$1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000	.....
July 1, 1897	184	4	July 1, 1908	1,000	1,000	.....
July 1, 1898	208	4	July 1, 1908	1,000	1,000	.....
July 1, 1901	230	3½	July 1, 1908	1,000	1,000	.....
July 1, 1902	259	3½	July 1, 1908	1,000	1,000	.....
July 1, 1903	283	4	July 1, 1908	1,000	1,000	.....
July 1, 1904	307	4	July 1, 1908	1,000	1,000	.....
July 1, 1906	360	4	July 1, 1908	1,000	1,000	.....
Oct. 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000	.....
April 1, 1905	Reg. 132	3½	Apr. 1, 1909	.....	.....	1,000
July 1, 1894	68	4	July 1, 1909	1,000	1,000	.....
July 1, 1897	185	4	July 1, 1909	1,000	1,000	.....
July 1, 1898	209	4	July 1, 1909	1,000	1,000	.....
July 1, 1901	231	3½	July 1, 1909	1,000	1,000	.....
July 1, 1902	Reg. 167	3½	July 1, 1909	.....	.....	1,000
July 1, 1903	284	4	July 1, 1909	1,000	1,000	.....
July 1, 1904	308	4	July 1, 1909	1,000	1,000	.....
July 1, 1906	361	4	July 1, 1909	1,000	1,000	.....
	Amounts	carried	forward . .	.....	\$26,000	\$3,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$26,000	\$3,000
Oct. 1, 1893	51	4½	Oct. 1, 1909	\$1,000	1,000	.....
April 1, 1905	Reg. 133	3½	Apr. 1, 1910	.....	.....	1,000
July 1, 1894	69	4	July 1, 1910	1,000	1,000	.....
July 1, 1897	186	4	July 1, 1910	1,000	1,000	.....
July 1, 1898	210	4	July 1, 1910	1,000	1,000	.....
July 1, 1901	232	3½	July 1, 1910	1,000	1,000	.....
July 1, 1902	Reg. 168	3½	July 1, 1910	.....	.....	1,000
July 1, 1903	285	4	July 1, 1910	1,000	1,000	.....
July 1, 1904	309	4	July 1, 1910	1,000	1,000	.....
July 1, 1906	Reg. 1	4	July 1, 1910	.....	.....	1,000
Oct. 1, 1893	Reg. 159	4½	Oct. 1, 1910	.....	.....	1,000
April 1, 1905	Reg. 134	3½	Apr. 1, 1911	.....	.....	1,000
July 1, 1894	70	4	July 1, 1911	1,000	1,000	.....
July 1, 1897	187	4	July 1, 1911	1,000	1,000	.....
July 1, 1898	211	4	July 1, 1911	1,000	1,000	.....
July 1, 1901	233	3½	July 1, 1911	1,000	1,000	.....
July 1, 1902	Reg. 169	3½	July 1, 1911	.....	.....	1,000
July 1, 1903	286	4	July 1, 1911	1,000	1,000	.....
July 1, 1904	310	4	July 1, 1911	1,000	1,000	.....
July 1, 1906	363	4	July 1, 1911	1,000	1,000	.....
Oct. 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000	.....
April 1, 1905	Reg. 135	3½	Apr. 1, 1912	.....	.....	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000	.....
July 1, 1897	188	4	July 1, 1912	1,000	1,000	.....
July 1, 1898	212	4	July 1, 1912	1,000	1,000	.....
July 1, 1901	234	3½	July 1, 1912	1,000	1,000	.....
July 1, 1902	Reg. 170	3½	July 1, 1912	.....	.....	1,000
July 1, 1903	287	4	July 1, 1912	1,000	1,000	.....
	Amounts	carried	forward . .	.....	\$46,000	\$11,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward		\$46,000	\$11,000
July 1, 1904	311	4	July 1, 1912	\$1,000	1,000	.....
July 1, 1906	Reg. 2	4	July 1, 1912	.....	.....	1,000
April 1, 1905	Reg. 136	3½	Apr. 1, 1913	.....	.....	1,000
July 1, 1894	72	4	July 1, 1913	1,000	1,000	.....
July 1, 1897	189	4	July 1, 1913	1,000	1,000	.....
July 1, 1898	213	4	July 1, 1913	1,000	1,000	.....
July 1, 1901	235	3½	July 1, 1913	1,000	1,000	.....
July 1, 1902	264	3½	July 1, 1913	1,000	1,000	.....
July 1, 1903	288	4	July 1, 1913	1,000	1,000	.....
July 1, 1904	312	4	July 1, 1913	1,000	1,000	.....
July 1, 1906	Reg. 3	4	July 1, 1913	.....	.....	1,000
April 1, 1905	Reg. 137	3½	Apr. 1, 1914	.....	.....	1,000
July 1, 1894	73	4	July 1, 1914	1,000	1,000	.....
July 1, 1897	190	4	July 1, 1914	1,000	1,000	.....
July 1, 1898	214	4	July 1, 1914	1,000	1,000	.....
July 1, 1901	236	3½	July 1, 1914	1,000	1,000	.....
July 1, 1902	265	3½	July 1, 1914	1,000	1,000	.....
July 1, 1903	289	4	July 1, 1914	1,000	1,000	.....
July 1, 1904	313	4	July 1, 1914	1,000	1,000	.....
July 1, 1906	Reg. 4	4	July 1, 1914	.....	.....	1,000
April 1, 1905	Reg. 138	3½	Apr. 1, 1915	.....	.....	1,000
July 1, 1897	191	4	July 1, 1915	1,000	1,000	.....
July 1, 1898	215	4	July 1, 1915	1,000	1,000	.....
July 1, 1901	237	3½	July 1, 1915	1,000	1,000	.....
July 1, 1902	266	3½	July 1, 1915	1,000	1,000	.....
July 1, 1903	Reg. 174	4	July 1, 1915	.....	.....	1,000
July 1, 1904	314	4	July 1, 1915	1,000	1,000	.....
July 1, 1906	Reg. 5	4	July 1, 1915	.....	.....	1,000
April 1, 1905	Reg. 139	3½	Apr. 1, 1916	.....	.....	1,000
	Amounts	carried	forward		\$66,000	\$20,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	. . .	\$66,000	\$20,000
July 1, 1897	192	4	July 1, 1916	\$1,000	1,000	.....
July 1, 1898	216	4	July 1, 1916	1,000	1,000	.....
July 1, 1901	238	3½	July 1, 1916	1,000	1,000	.....
July 1, 1902	267	3½	July 1, 1916	1,000	1,000	.....
July 1, 1903	291	4	July 1, 1916	1,000	1,000	.....
July 1, 1904	315	4	July 1, 1916	1,000	1,000	.....
July 1, 1906	Reg. 6	4	July 1, 1916	.....	.....	1,000
April 1, 1905	Reg. 140	3½	Apr. 1, 1917	.....	.....	1,000
July 1, 1897	193	4	July 1, 1917	1,000	1,000	.....
July 1, 1898	217	4	July 1, 1917	1,000	1,000	.....
July 1, 1901	239	3½	July 1, 1917	1,000	1,000	.....
July 1, 1902	268	3½	July 1, 1917	1,000	1,000	.....
July 1, 1903	292	4	July 1, 1917	1,000	1,000	.....
July 1, 1904	316	4	July 1, 1917	1,000	1,000	.....
July 1, 1906	369	4	July 1, 1917	1,000	1,000	.....
April 1, 1905	Reg. 141	3½	Apr. 1, 1918	.....	.....	1,000
July 1, 1897	194	4	July 1, 1918	1,000	1,000	.....
July 1, 1898	218	4	July 1, 1918	1,000	1,000	.....
July 1, 1901	240	3½	July 1, 1918	1,000	1,000	.....
July 1, 1902	269	3½	July 1, 1918	1,000	1,000	.....
July 1, 1903	293	4	July 1, 1918	1,000	1,000	.....
July 1, 1904	317	4	July 1, 1918	1,000	1,000	.....
July 1, 1906	370	4	July 1, 1918	1,000	1,000	.....
April 1, 1905	Reg. 142	3½	Apr. 1, 1919	.....	.....	1,000
July 1, 1897	195	4	July 1, 1919	1,000	1,000	.....
July 1, 1898	219	4	July 1, 1919	1,000	1,000	.....
July 1, 1901	241	3½	July 1, 1919	1,000	1,000	.....
July 1, 1902	270	3½	July 1, 1919	1,000	1,000	.....
July 1, 1903	294	4	July 1, 1919	1,000	1,000	.....
	Amounts	carried	forward . .	. . .	\$91,000	\$24,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward .	. . .	\$91,000	\$24,000
July 1, 1904	318	4	July 1, 1919	\$1,000	1,000	.....
July 1, 1906	371	4	July 1, 1919	1,000	1,000	.....
April 1, 1905	Reg. 143	3½	Apr. 1, 1920	.....	.....	1,000
July 1, 1897	196	4	July 1, 1920	1,000	1,000	.....
July 1, 1898	220	4	July 1, 1920	1,000	1,000	.....
July 1, 1901	242	3½	July 1, 1920	1,000	1,000	.....
July 1, 1902	271	3½	July 1, 1920	1,000	1,000	.....
July 1, 1903	295	4	July 1, 1920	1,000	1,000	.....
July 1, 1904	319	4	July 1, 1920	1,000	1,000	.....
July 1, 1906	372	4	July 1, 1920	1,000	1,000	.....
April 1, 1905	Reg. 144	3½	Apr. 1, 1921	.....	.....	1,000
July 1, 1897	197	4	July 1, 1921	1,000	1,000	.....
July 1, 1898	221	4	July 1, 1921	1,000	1,000	.....
July 1, 1901	243	3½	July 1, 1921	1,000	1,000	.....
July 1, 1902	272	3½	July 1, 1921	1,000	1,000	.....
July 1, 1903	296	4	July 1, 1921	1,000	1,000	.....
July 1, 1904	320	4	July 1, 1921	1,000	1,000	.....
July 1, 1906	373	4	July 1, 1921	1,000	1,000	.....
April 1, 1905	Reg. 145	3½	Apr. 1, 1922	.....	.....	1,000
July 1, 1897	198	4	July 1, 1922	1,000	1,000	.....
July 1, 1898	222	4	July 1, 1922	1,000	1,000	.....
July 1, 1901	244	3½	July 1, 1922	1,000	1,000	.....
July 1, 1902	273	3½	July 1, 1922	1,000	1,000	.....
July 1, 1903	297	4	July 1, 1922	1,000	1,000	.....
July 1, 1904	321	4	July 1, 1922	1,000	1,000	.....
July 1, 1906	374	4	July 1, 1922	1,000	1,000	.....
April 1, 1905	Reg. 146	3½	Apr. 1, 1923	.....	.....	1,000
July 1, 1898	223	4	July 1, 1923	1,000	1,000	.....
July 1, 1901	245	3½	July 1, 1923	1,000	1,000	.....
	Amounts	carried	forward .	. . .	\$116,000	\$28,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward .	. . .	\$116,000	\$28,000
July 1, 1902	274	3½	July 1, 1923	\$1,000	1,000	.....
July 1, 1903	298	4	July 1, 1923	1,000	1,000	.....
July 1, 1904	322	4	July 1, 1923	1,000	1,000	.....
July 1, 1906	375	4	July 1, 1923	1,000	1,000	.....
April 1, 1905	Reg. 147	3½	Apr. 1, 1924	.....	.....	1,000
July 1, 1901	246	3½	July 1, 1924	1,000	1,000	.....
July 1, 1902	275	3½	July 1, 1924	1,000	1,000	.....
July 1, 1903	299	4	July 1, 1924	1,000	1,000	.....
July 1, 1904	323	4	July 1, 1924	1,000	1,000	.....
July 1, 1906	376	4	July 1, 1924	1,000	1,000	.....
April 1, 1905	Reg. 148	3½	Apr. 1, 1925	.....	.....	1,000
July 1, 1901	247	3½	July 1, 1925	1,000	1,000	.....
July 1, 1902	276	3½	July 1, 1925	1,000	1,000	.....
July 1, 1903	300	4	July 1, 1925	1,000	1,000	.....
July 1, 1904	324	4	July 1, 1925	1,000	1,000	.....
July 1, 1906	377	4	July 1, 1925	1,000	1,000	.....
April 1, 1905	Reg. 149	3½	Apr. 1, 1926	.....	.....	1,000
July 1, 1901	248	3½	July 1, 1926	1,000	1,000	.....
July 1, 1902	277	3½	July 1, 1926	1,000	1,000	.....
July 1, 1903	301	4	July 1, 1926	1,000	1,000	.....
July 1, 1904	325	4	July 1, 1926	1,000	1,000	.....
July 1, 1906	378	4	July 1, 1926	1,000	1,000	.....
April 1, 1905	Reg. 150	3½	Apr. 1, 1927	.....	.....	1,000
July 1, 1901	249	3½	July 1, 1927	1,000	1,000	.....
July 1, 1902	278	3½	July 1, 1927	1,000	1,000	.....
July 1, 1903	302	4	July 1, 1927	1,000	1,000	.....
July 1, 1904	326	4	July 1, 1927	1,000	1,000	.....
April 1, 1905	Reg. 151	3½	Apr. 1, 1928	.....	.....	1,000
July 1, 1901	250	3½	July 1, 1928	1,000	1,000	.....
July 1, 1903	303	4	July 1, 1928	1,000	1,000	.....
	Amounts	carried	forward .	. . .	\$141,000	\$33,000

SEWER LOAN BONDS.—Continued.

DATE	Number of Bonds.	Rate per cent. of Interest	When due.	Denomi- nation	Amount Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	. . .	\$141,000	\$33,000
July 1, 1904	327	4	July 1, 1928	1,000	1,000	.....
April 1, 1905	Reg. 152	3½	Apr. 1, 1929	.....	.....	1,000
July 1, 1901	251	3½	July 1, 1929	1,000	1,000	.....
July 1, 1904	328	4	July 1, 1929	1,000	1,000	.....
April 1, 1905	Reg. 153	3½	Apr. 1, 1930	.....	.....	1,000
July 1, 1901	252	3½	July 1, 1930	1,000	1,000	.....
April 1, 1905	Reg. 154	3½	Apr. 1, 1931	.....	.....	1,000
July 1, 1901	253	3½	July 1, 1931	1,000	1,000	.....
April 1, 1905	Reg. 155	3½	Apr. 1, 1932	.....	.....	1,000
April 1, 1905	Reg. 156	3½	Apr. 1, 1933	.....	.....	1,000
April 1, 1905	Reg. 157	3½	Apr. 1, 1934	.....	.....	1,000
April 1, 1905	Reg. 158	3½	Apr. 1, 1935	.....	.....	1,000
					\$146,000	\$40,000

Coupon Bonds . . . \$146,000
Registered Bonds . . . 40,000

Total amount of Sewer Loan Bonds under debt limit \$186,000

SEWER LOAN BONDS.—Concluded.ISSUED UNDER AUTHORITY OF CHAPTER 357, ACTS OF 1895, BEYOND THE LIMIT
FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
July 1, 1895	117 to 119	4	July 1, 1907	\$1,000	\$3,000
July 1, 1895	120 to 122	4	July 1, 1908	1,000	3,000
July 1, 1895	123 to 125	4	July 1, 1909	1,000	3,000
July 1, 1895	126 to 128	4	July 1, 1910	1,000	3,000
July 1, 1895	129 to 131	4	July 1, 1911	1,000	3,000
July 1, 1895	132 to 134	4	July 1, 1912	1,000	3,000
July 1, 1895	135 to 137	4	July 1, 1913	1,000	3,000
July 1, 1895	138 to 140	4	July 1, 1914	1,000	3,000
July 1, 1895	141 to 143	4	July 1, 1915	1,000	3,000
July 1, 1895	144 to 146	4	July 1, 1916	1,000	3,000
July 1, 1895	147 to 149	4	July 1, 1917	1,000	3,000
July 1, 1895	150 to 152	4	July 1, 1918	1,000	3,000
July 1, 1895	153 to 155	4	July 1, 1919	1,000	3,000
July 1, 1895	156 to 158	4	July 1, 1920	1,000	3,000
July 1, 1895	159 to 161	4	July 1, 1921	1,000	3,000
July 1, 1895	162 to 164	4	July 1, 1922	1,000	3,000
July 1, 1895	165 to 167	4	July 1, 1923	1,000	3,000
July 1, 1895	168 to 170	4	July 1, 1924	1,000	3,000
July 1, 1895	171 to 173	4	July 1, 1925	1,000	3,000
Total amount	of Sewer Loan	Bonds	under above	Act . .	\$57,000

City Loan Paving Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 153, ACTS OF 1892, BEYOND
THE LIMIT FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
October 1, 1892	71 to 75	4	Oct. 1, 1907	\$1,000	\$5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
October 1, 1892	86 to 90	4	Oct. 1, 1910	1,000	5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
Total amount of		Paving	Bonds		\$30,000

Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
July 1, 1886	267 to 276	4	July 1, 1907	\$1,000	\$10,000	.....
July 1, 1888	291	4	July 1, 1907	1,000	1,000	.....
July 1, 1896	b458	4	July 1, 1907	1,000	1,000	.....
Oct. 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000	.....
Oct. 1, 1890	456 to 457	4	Oct. 1, 1907	1,000	2,000	.....
July 1, 1888	292	4	July 1, 1908	1,000	1,000	.....
July 1, 1896	b459	4	July 1, 1908	1,000	1,000	.....
Oct. 1, 1889	Reg. 101	4	Oct. 1, 1908	.....	.....	3,000
Oct. 1, 1890	458 to 459	4	Oct. 1, 1908	1,000	2,000	.....
July 1, 1888	293	4	July 1, 1909	1,000	1,000	.....
Oct. 1, 1889	Reg. 102	4	Oct. 1, 1909	.....	.....	3,000
Oct. 1, 1890	423 to 424	4	Oct. 1, 1909	1,000	2,000	.....
July 1, 1888	294	4	July 1, 1910	1,000	1,000	.....
Oct. 1, 1889	Reg. 103	4	Oct. 1, 1910	.....	.....	3,000
Oct. 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000	.....
July 1, 1888	295	4	July 1, 1911	1,000	1,000	.....
Oct. 1, 1889	Reg. 104	4	Oct. 1, 1911	.....	.....	3,000
Oct. 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000	.....
July 1, 1888	296	4	July 1, 1912	1,000	1,000	.....
Oct. 1, 1889	Reg. 105	4	Oct. 1, 1912	.....	.....	3,000
Oct. 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000	.....
Amounts		carried	forward . .	.....	\$33,000	\$15,000

WATER LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount. Coupon Bonds.	Amount Reg. Bonds.
	Amounts	brought	forward . .	.....	\$33,000	\$15,000
July 1, 1888	297	4	July 1, 1913	\$1,000	1,000	.....
Oct. 1, 1889	Reg. 106	4	Oct. 1, 1913	.....	.....	3,000
Oct. 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000	.....
July 1, 1888	298	4	July 1, 1914	1,000	1,000	.....
Oct. 1, 1889	Reg. 107	4	Oct. 1, 1914	.....	.....	3,000
Oct. 1, 1890	434 to 435	4	Oct. 1, 1914	1,000	2,000	.....
July 1, 1888	299	4	July 1, 1915	1,000	1,000	.....
Oct. 1, 1889	Reg. 108	4	Oct. 1, 1915	.....	.....	2,000
Oct. 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000	.....
July 1, 1888	300	4	July 1, 1916	1,000	1,000	.....
Oct. 1, 1889	Reg. 109	4	Oct. 1, 1916	.....	.....	2,000
Oct. 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000	.....
July 1, 1888	301	4	July 1, 1917	1,000	1,000	.....
Oct. 1, 1889	Reg. 110	4	Oct. 1, 1917	.....	.....	2,000
Oct. 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000	.....
July 1, 1888	302	4	July 1, 1918	1,000	1,000	.....
Oct. 1, 1889	Reg. 111	4	Oct. 1, 1918	.....	.....	2,000
Oct. 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000	.....
Oct. 1, 1889	Reg. 112	4	Oct. 1, 1919	.....	.....	2,000
Oct. 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000	.....
Oct. 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000	.....
					<u>\$55,000</u>	<u>\$31,000</u>

Coupons Bonds . . \$55,000

Registered Bonds . . 31,000

Total amount Water Loan Bonds \$86,000

Metropolitan Park Assessment Loan Bonds.ISSUED UNDER AUTHORITY OF CHAPTER 225, ACTS OF 1902, BEYOND THE
LIMIT FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount Coupon Bonds.	Amount Reg. Bonds.
July 1, 1902	5	3½	July 1, 1907	\$1,000	\$1,000	.....
July 1, 1902	6	3½	July 1, 1908	1,000	1,000	.....
July 1, 1902	Reg. 160	3½	July 1, 1909	.....	.....	\$1,000
July 1, 1902	8	3½	July 1, 1910	1,000	1,000	.....
July 1, 1902	Reg. 161	3½	July 1, 1911	.....	.....	1,000
July 1, 1902	Reg. 162	3½	July 1, 1912	.....	.....	1,000
July 1, 1902	11	3½	July 1, 1913	1,000	1,000	.....
July 1, 1902	12	3½	July 1, 1914	1,000	1,000	.....
July 1, 1902	13	3½	July 1, 1915	1,000	1,000	.....
July 1, 1902	14	3½	July 1, 1916	1,000	1,000	.....
July 1, 1902	15	3½	July 1, 1917	1,000	1,000	.....
July 1, 1902	16	3½	July 1, 1918	1,000	1,000	.....
July 1, 1902	17	3½	July 1, 1919	1,000	1,000	.....
July 1, 1902	18	3½	July 1, 1920	1,000	1,000	.....
July 1, 1902	19	3½	July 1, 1921	1,000	1,000	.....
July 1, 1902	20	3½	July 1, 1922	1,000	1,000	.....
July 1, 1902	21	3½	July 1, 1923	1,000	1,000	.....
July 1, 1902	22	3½	July 1, 1924	1,000	1,000	.....
July 1, 1902	23	3½	July 1, 1925	1,000	1,000	.....
July 1, 1902	24	3½	July 1, 1926	1,000	1,000	.....
July 1, 1902	25	3½	July 1, 1927	1,000	1,000	.....
July 1, 1902	26	3½	July 1, 1928	1,000	1,000	.....
July 1, 1902	27	3½	July 1, 1929	1,000	1,000	.....
					\$20,000	\$3,000

Coupon Bonds . . \$20,000
Registered Bonds . . 3,000

Total amount Met. Park Assessment Loan Bonds . \$23,000

Recapitulation.

City Loan Bonds	\$1,082,500 00	
Sewer Loan Bonds	186,000 00	
<hr/>		
Total amount of Funded Debt within the limit provided by law		\$1,268,500 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895	\$57,000 00	
City Loan Paving Bonds, issued under Chapter 153, Acts of 1892	30,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902	23,000 00	
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Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts		110,000 00
Water Loan Bonds		86,000 00
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Total amount of Funded Debt		\$1,464,500 00

TABLE C.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1906.**Appropriations.**

CREDIT.		
Taxes, amount assessed for municipal purposes		\$864,675 00
Property and Debt Balance, amount provided by issue of bonds		100,000 00
		<hr/>
		\$964,675 00
DEBIT.		
Appropriations from tax levy:—		
Assessors	\$10,000 00	
City Auditor	725 00	
City Clerk	5,500 00	
City Engineer	11,500 00	
City Messenger	2,000 00	
City Solicitor	2,350 00	
City Treasurer	9,300 00	
Clerk of Committees and Departments	4,200 00	
Contingent Fund	3,450 00	
Election Expenses:—		
City Clerk	1,650 00	
Commissioner of Public Buildings	900 00	
Pay of Election Officers	2,500 00	
Registrars of Voters	1,650 00	
Electrical Department	8,500 00	
Executive Department	4,000 00	
Fire Department	45,500 00	
Health Department	6,400 00	
Health Department, Collection of Ashes and Offal	36,600 00	
Health Department, Contagious Disease Hospital	6,000 00	
Inspection of Buildings	4,100 00	
Interest	58,000 00	
Military Aid	1,000 00	
Police	41,600 00	
Printing and Stationery	2,100 00	
Public Buildings Maintenance:—		
City Buildings	11,000 00	
Janitors' Salaries	27,000 00	
Schoolhouses	27,700 00	
Public Library	14,500 00	
Public Grounds	10,400 00	
Reduction of Funded Debt	102,000 00	
School Contingent	25,000 00	
School Teachers' Salaries	260,000 00	
Sealer of Weights and Measures	1,050 00	
Sidewalks Maintenance	3,000 00	
Soldiers' Relief	22,000 00	
Somerville Hospital	5,000 00	
Street Lights	67,000 00	
Support of Poor, City Home	2,500 00	
Support of Poor, Miscellaneous	14,000 00	
Suppression of Gypsy and Brown-tail Moths	3,000 00	
	<hr/>	\$864,675 00
Amount carried forward		<hr/>
		\$864,675 00

Amount brought forward		\$864,675 00
Appropriations on Funded Debt account:—		
Sewers Construction	\$20,000 00	
Public Buildings Construction, High School		
Building Completion	15,000 00	
Highways Construction	25,000 00	
Highways, Paved Gutters and Crossings	17,500 00	
Highways, Shade Trees	500 00	
Sidewalks Construction	12,000 00	
Renewal of Funded Debt	10,000 00	
		100,000 00
		<u>\$964,675 00</u>

Assessors.

CREDIT.

Appropriations, from Taxes, 1906	\$10,000 00
Excess and Deficiency account, balance transferred	171 31
	<u>\$10,171 31</u>

DEBIT.

(Expenditures.)

Cash, paid Albert B. Fales, salary as chair- man of the board of assessors	\$725 82
George W. Perkins, salary as chairman of the board of assessors	1,150 00
Benjamin F. Thompson, assessor	800 00
Nathan H. Reed, assessor	800 00
Harry A. True, assessor	155 56
George E. Elliott, assessor	800 00
Winsor L. Snow, assessor	644 44
Fred B. Clapp, assistant assessor	250 00
John J. Sheeran, assistant assessor	250 00
James Wilson, assistant assessor	250 00
John F. Stackpole, assistant assessor	250 00
Jennie L. Jones, first assistant clerk	700 00
carfares	16 80
Mabel E. Hall, second assistant clerk	600 00
Aunita N. Fales, third assistant clerk	363 79
carfares	4 60
Abbie D. Southworth, third assistant clerk	136 21
William M. Elliott, clerical services	50 00
Raymond A. Farr, clerical services	52 00
Marcella F. Kendall, clerical services	136 00
Florence R. Kenneson, clerical services	106 67
Eleanor L. Kittridge, clerical services	90 67
Theodore H. Locke, clerical services	54 00
Mildred A. Merrill, clerical services	156 00
Josephine M. Briggs, clerical services	88 00
Loena A. Snowman, clerical services	82 66
Abbie D. Southworth, clerical services	134 80
William H. Todd, clerical services	60 00
Eva V. Tukey, clerical services	117 34
carfares	3 60
L. Emma Clayton, stationery	90
Fred J. Farwell, stationery	75
W. A. Greenough & Co., directory	4 00
Amount carried forward	<u>\$9,034 61</u>

Amount brought forward	\$9,034 61	
Thomas Groom & Co., stationery	3 95	
E. F. Hicks, lunch	10 00	
Wesley A. Maynard, advertising	29 50	
New England Telephone & Telegraph Co., service	41 57	
Pneumatic Hand Stamp Co., stamps	1 84	
Somerville Post-office, postage	41 00	
Somerville Journal Co., printing	788 35	
Webcowit Press, printing	14 00	
S. Ward & Co., books	203 19	
Yawman & Erbe Mfg. Co., stationery	3 30	
		<u>\$10,171 31</u>

Cash.

CREDIT.

Payments as follows:—

Assessors	\$10,171 31
City Auditor	705 37
City Clerk	7,204 61
City Engineer	11,581 82
City Messenger	2,008 49
City Solicitor	2,464 67
City Treasurer	13,547 38
Clerk of Committees and Departments	4,200 00
Contingent Fund	2,296 26
County of Middlesex	61,272 24
Coupons Unpaid	58,002 50
Election Expenses:—	
City Clerk	1,343 37
Commissioner of Public Buildings	883 95
Pay of Election Officers	2,524 00
Registrars of Voters	1,396 33
Electrical Department	8,344 66
Electrical Department, Underground Construction	2,760 20
Excise Tax	223 01
Executive Department	3,903 39
Fire Department	71,799 13
Grade Crossings	603 79
Health Department	9,946 39
Health Department, Collection of Ashes and Offal	48,411 73
Health Department, Contagious Disease Hospital	5,723 74
Health Department, Medical Inspection in Public Schools,	116 69
Highways Construction	39,952 94
Highways Maintenance	71,479 04
Highways, Paved Gutters and Crossings	10,760 14
Highways, Paving Broadway, Fow and Summer Streets	14,072 41
Highways, Shade Trees	416 60
Highways, Watering Streets	22,427 97
Inspection of Buildings	4,135 47
Interest	19,832 65
Military Aid	1,777 00
Overlay and Abatement	146 15
Police	82,428 78
Printing and Stationery	1,706 09
Public Buildings Construction:—	
Contagious Disease Hospital	3,006 29
High School Building	34,457 32
Amount carried forward	<u>\$638,033 88</u>

Amount brought forward	\$638,033 88
Luther V. Bell School Fire Escapes	675 51
Sanitary Systems in Bell, Bingham, and Edgerly Schools	4,986 08
Public Buildings Maintenance:—	
City Buildings	13,852 20
Fire Department	4,426 00
Janitors' Salaries	28,149 57
Schoolhouses	32,481 60
Public Grounds	11,082 52
Public Library	19,726 09
Public Library, Isaac Pitman Fund Income, Art	99 37
Public Library, Isaac Pitman Fund Income, Poetry	21 88
Real Estate Liens	82 25
Redemption of Tax Liens	1,012 02
Reduction of Funded Debt	140,500 00
School Contingent	27,989 07
School Teachers' Salaries	260,823 46
Sealer of Weights and Measures	1,527 51
Sewers Construction	19,948 96
Sewers Maintenance	12,850 23
Sewer Loan Interest	210 00
Sidewalks Construction	27,767 65
Sidewalks Maintenance	4,126 59
Soldiers' Burials	455 00
Soldiers' Relief	22,367 00
Somerville Hospital	5,000 00
State Aid	15,559 00
State of Massachusetts	152,942 61
Street Lights	64,558 81
Support of Poor, City Home	6,806 79
Support of Poor, Miscellaneous	18,237 53
Suppression of Gypsy and Brown-tail Moths	6,932 86
Temporary Loans	740,000 00
Water Maintenance	45,201 61
Water Works, Abatements on Water Charges	443 00
Water Works Extension	19,310 86
Balance to debit of account, 1907	92,876 74
	<hr/>
	\$2,441,064 25

DEBIT.

Balance from 1905	\$116,483 89
Receipts as follows:—	
City Clerk	2,183 21
City Engineer	82 24
City Treasurer	3,872 04
Contingent Fund	358 13
County of Middlesex	4,986 83
Election Expenses, Pay of Election Officers	5 00
Electrical Department	1,086 29
Executive Department	2 68
Fire Department	1,147 36
Funded Debt	100,000 00
Health Department	370 97
Health Department, Collection of Ashes and Offal	7,122 67
Health Department, Contagious Disease Hospital	2,717 05
Highway Betterment Assessments	3,690 62
	<hr/>
Amount carried forward	\$244,108 98

Amount brought forward	\$244,108 98
Highways Construction	7,168 46
Highways Maintenance	13,029 54
Highways, Paved Gutters and Crossings	557 75
Highways, Paving Broadway, Bow and Summer Streets	661 21
Highways, Watering Streets	113 00
Inspection of Buildings	42 00
Interest	11,545 88
Metered Water Charges	19,178 99
Overlay and Abatement	160 35
Police	5,018 25
Public Buildings Construction, Sanitary Systems in Bell, Bingham, and Edgerly Schools	10 15
Public Buildings Maintenance:—	
City Buildings	255 50
Schoolhouses	142 06
Public Grounds	682 89
Public Library	856 24
Public Library, Isaac Pitman Fund Income, Art	173 28
Public Library, Isaac Pitman Fund Income, Poetry	43 32
Redemption of Tax Liens	994 05
Reduction of Funded Debt	649 00
School Contingent	357 66
School Teachers' Salaries	82 25
Sealer of Weights and Measures	438 86
Sewer Assessments	4,863 78
Sewers Construction	1,190 30
Sewers Maintenance	925 91
Sidewalk Assessments	11,844 64
Sidewalks Construction	253 93
Sidewalks Maintenance	127 18
Soldiers' Relief	88 00
State Aid	29 00
State of Massachusetts	11,731 79
Street Lights	3 60
Support of Poor, City Home	3,908 32
Support of Poor, Miscellaneous	4,421 25
Suppression of Gypsy and Brown-tail Moths	407 63
Taxes	1,133,108 84
Temporary Loans	740,000 00
Water Maintenance	17,254 85
Water Service Assessments	3,929 80
Water Works Extension	115 00
Water Works Income	200,590 76
	<hr/>
	\$2,441,064 25

City Auditor.

CREDIT.

Appropriations, from Taxes, 1906	\$725 00
Excess and Deficiency account, balance transferred	19 63
	<hr/>
	\$705 37

DEBIT.

Cash, paid Charles S. Robertson, salary as auditor	\$700 00	
Pneumatic Hand Stamp Co., stamps	5 37	
		<u>\$705 37</u>

City Clerk.

CREDIT.

Appropriations, from Taxes, 1906	\$5,500 00	
Excess and Deficiency account, balance transferred	478 60	
		<u>\$5,021 40</u>

Receipts:—

Cash, received of Frederic W. Cook, city clerk:—

Recording mortgages	\$484 50	
Dog licenses	395 40	
Marriage certificates	425 50	
Licenses for billiards and pool	88 00	
Licenses for amusements	39 00	
Licenses for street musicians	10 50	
Copies of records	49 00	
Junk licenses	410 00	
Licenses for slaughtering	7 00	
Licenses for private detectives	20 00	
Liquor licenses	32 00	
Licenses for sale of fireworks	40 00	
Licenses for intelligence offices	16 00	
Auctioneers' licenses	50 00	
Roller skating	25 00	
Interest on deposits	13 81	
Harold F. Thompson, refund	50	
Express licenses	52 00	
Small loans licenses	25 00	
		<u>2,183 21</u>
		<u>\$7,204 61</u>

DEBIT.

Cash, paid Frederic W. Cook, salary as city clerk	\$2,200 00	
Howard E. Wemyss, assistant city clerk,	1,200 00	
Clara B. Snow, first assistant	700 00	
Edith A. Woodnau, second assistant	600 00	
Alice M. Vincent, third assistant	550 00	
Mabell M. Ham, fourth assistant	106 17	
Florence H. Plimpton, fourth assistant	363 87	
Allen, Doane, & Co., stationery	2 80	
American Express Co., expressing	17 07	
Alfred W. Blake, census of births	9 90	
T. H. Ball, mortgage forms	2 62	
L. H. Brown, carriage hire	2 00	
Carter's Ink Co., supplies	2 26	
Duren & Kendall, repairing machine	3 70	
Charles E. Davis, census of births	54 40	
John Donnelly & Sons, posting bills	3 00	
Clara Z. Elliot, census of births	24 10	
Thomas Groom & Co., stationery	14 50	
Amount carried forward	\$5,856 39	

Amount brought forward	\$5,856 39	
Gilman Express Co., expressing	15	
Seth Mason, census of births	32 80	
Wesley A. Maynard, printing and advertising	35 32	
McGrath & Woodley, binding and stationery	116 25	
John S. Mitchell, reporting births	50	
John S. McGowan, return of deaths	9 00	
New England Telephone & Telegraph Co., service	174 74	
Oliver Typewriter Co., repairs	60	
Pneumatic Hand Stamp Co., stamps	3 48	
Somerville Post-office, postage, etc.	37 00	
L. C. Smith & Brothers, coupon book and typewriter	68 50	
Sampson, Murdock Co., directory	6 00	
Smith-Premier Typewriter Co., repairs	1 00	
Somerville Journal Co., printing	168 25	
Sundry persons, reporting births	330 50	
Sundry undertakers, reporting deaths	150 50	
Richard H. Tucker, census of births	55 10	
Thorpe's Express, expressing	35	
Webcowit Press, printing	1 75	
S. Ward Co., stationery	97 93	
Elisabeth S. Webster, census of births	58 50	
		<u>\$7,204 61</u>

City Engineer.

CREDIT.

Appropriations, from Taxes, 1906	\$11,500 00
Excess and Deficiency account, balance transferred	42
	<u>\$11,499 58</u>

Receipts:—

Cash, received of Ernest W. Bailey, telephone service	\$31 24	
William H. Grant, et al., plan	8 00	
Abutters on Mead street, plan	5 00	
Abutters on Granite street, plan	5 00	
Edward Pynn, et al., plan	5 00	
James A. Cunningham, et al., plan	8 00	
Clifton A. Kennedy, et al., plan	5 00	
W. L. Waugh, plan	5 00	
James S. Mullin, et al., plan	5 00	
William H. Smith, plan	5 00	
		<u>82 24</u>
		<u>\$11,581 82</u>

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$2,800 00
Engineer's assistants	8,045 77
Engineer's assistants, carfares	236 05
American Express Co., expressing	2 30
	<hr/>
Amount carried forward	\$11,084 12

Amount brought forward	\$11,084 12	
Ames Plow Co., vise	1 85	
Boston Nickel Plating Co., plating	2 55	
E. T. Bynner, spikes	5 80	
L. E. Clayton, cotton cloth	4 26	
Carter's Ink Co., carbon paper	83	
Davenport, Brown Co., lumber	22 37	
Eyelet Tool Co., punch	1 50	
Frost & Adams Co., supplies	57 28	
Thomas Groom & Co., stationery	10 30	
Library Bureau, cards	1 05	
G. G. Ledder, supplies	5 10	
Charles E. Moss, blue print paper	1 90	
Municipal Publishing Co., subscription	3 00	
New England Telephone & Telegraph Co., service	118 20	
Perham's Express, expressing	15	
Wilbur P. Rice, stakes	4 00	
George O. W. Servis, photographs	3 50	
Sprague & Hathaway Co., mounting map,	1 25	
Somerville Post-office, postage	17 50	
James Tevlin, use of teams	102 05	
Charles L. Underhill, supplies	1 80	
A. M. Wood Co., wheels	44 10	
Whitney & Snow, hardware	5 20	
Waldo Brothers, cement	6 66	
	<hr/>	
	\$11,506 32	
Sewers Maintenance account, setting stone bounds	75 50	
	<hr/>	
		\$11,581 82

City Messenger.

CREDIT.

Appropriations, from Taxes, 1906	\$2,000 00
Excess and Deficiency, balance transferred	8 49
	<hr/>
	\$2,008 49

DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city messenger	\$1,500 00
disbursements	11 20
J. H. Atkinson, repairing wagon	14 00
L. H. Brown, carriage hire	81 00
D. J. Bennett, repairing harness	63 75
Somerville Post-office, postage	5 50
The Two Jamesons, board of horse and shoeing	256 60
Howard Lowell & Son, carriage hire	21 00
M. A. Mann, work on invitations	6 00
Morgan & Bond, blanket	2 00
New England Telephone & Telegraph Co., service	22 42
Pearl-street Shoeing Forge, shoeing	17 30
Charles L. Underhill, repairing	2 50
I. B. Walker, repairing buggy	4 72
	<hr/>
	\$2,008 49

City Solicitor.

CREDIT.

Appropriations, from Taxes, 1906	\$2,350 00
Excess and Deficiency account, balance transferred	114 67
	<hr/>
	\$2,464 67

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$1,800 00
office rent	150 00
disbursements	137 38
Thomas Damery, salary as claim agent	100 00
disbursements	3 90
Isaac I. Doane, court stenographer	28 00
Dennis Kelley, fee paid as justice of the peace	5 00
McGrath & Woodley, stationery	70 00
John C. Miller, stenographer	170 39
	<hr/>
	\$2,464 67

City Treasurer.

CREDIT.

Appropriations, from Taxes, 1906	\$9,300 00
Excess and Deficiency account, balance transferred	343 47
	<hr/>
	\$9,643 47

Receipts:—

Commonwealth of Massachusetts, fees for collecting National Bank tax	\$16 87
Redemption of Tax Liens, fees for releasing tax liens	15 00
Cash, received of Charles L. Ellis, telephone service	15 90
Joseph S. Pike, telephone extension	1 77
Sundry persons, costs on taxes and assessments	3,854 37
	<hr/>
	3,903 91
	<hr/>
	\$13,547 38

DEBIT.

(Expenditures.)

Cash, paid James F. Beard, salary as city treasurer	\$1,516 13
expenses to comptrollers' and accounting officers' convention at Washington	36 00
Joseph S. Pike, salary as city treasurer	1,262 90
expenses to comptrollers' and accounting officers' convention at Chicago	68 00
disbursements	62
Charles L. Ellis, deputy collector of taxes	1,350 00
disbursements	20 30
	<hr/>
Amount carried forward	\$4,253 95

Amount brought forward	\$4,253 95
Beulah M. Peirce, first assistant	1,000 00
Louise B. McLaughlin, second assistant	700 00
Florence M. Grow, third assistant	600 00
Marion C. Kendall, fourth assistant	600 00
Winnifred P. Briggs, clerical assistant	225 33
Susan L. Briggs, clerical assistant	182 66
Lilla A. Johnson, clerical assistant	194 66
Roberta B. McDonald, clerical assistant,	104 00
Ruth G. Butters, clerical assistant	48 00
F. W. Hopkins, fees for collecting delin- quent taxes	246 50
Theodore H. Locke, fees for collecting delinquent taxes	113 50
Malcolm E. Sturtevant, fees for collect- ing delinquent taxes	983 96
C. B. Palmer, fees for collecting delin- quent taxes	4 98
Charles E. Davis, fees for collecting de- linquent taxes	356 00
National Security Bank, clearing house charges	4 18
Somerville National Bank, clearing house charges	2 99
American Surety Company of New York, treasurer's bond	160 00
deputy collector's bond	24 00
American Express Co., expressing	25
Burroughs Adding Machine Co., supplies,	3 25
Boston News Bureau, subscription	6 00
Somerville Post-office, postage, etc.	643 86
Carter's Ink Co., ink	2 25
City Trust Company, registered bonds	125 00
E. O. Childs, Registrar, recording docu- ments	15 00
Dennison Mfg. Co., bill straps	2 40
H. C. Dimond & Co., pad stamps	48
"Daily Banker & Stockholder," adver- tising	2 10
W. A. Greenough & Co., directories	8 00
Glines & Co., expressing	1 50
Thomas Groom & Co., stationery	224 05
J. C. Hall Co., checks	5 75
William Franklin Hall, examining ac- counts	689 25
Howard Lowell & Son, carriage hire	2 00
Wesley A. Maynard, printing	38 50
McGrath & Woodley, book	12 00
J. T. Mahoney, Registrar, docket entries, New England Telephone & Telegraph Co., service	25 104 48
Outlook Envelope Co., envelopes	48 56
Pneumatic Hand Stamp Co., stamps	10 50
D. W. Riley, deputy sheriff, serving war- rants	3 10
Smith-Premier Typewriter Co., machine,	116 05
Somerville Journal Co., printing and ad- vertising tax sales, etc.	1,126 00
Greenleaf W. Simpson, cost of suit	30 84
Sampson & Murdock Co., directory	6 00
Amount carried forward	\$13,032 13

Amount brought forward	\$13,032 13	
Arthur B. Tyler, postmaster, stamps	10 00	
Webcowit Press, printing tax bills, etc.	492 75	
Yale & Towne Mfg. Co., cleaning time lock	12 50	
		<u>\$13,547 38</u>

Clerk of Committees and Departments.

CREDIT.

Appropriations, from Taxes, 1906	\$4,200 00
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DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,000 00	
Laurence S. Howard, assistant	800 00	
Lucia A. Manning, assistant	600 00	
Bessie L. L. Crosby, assistant	550 00	
Thomas Groom & Co., stationery	65 65	
Glines & Co., expressing	40	
W. A. Greenough & Co., directory	4 00	
Gilman Express Co., expressing	25	
New England Telephone & Telegraph Co., service	55 85	
Smith-Premier Typewriter Co., repairs	15 15	
Somerville Journal Co., printing and postals	56 00	
Somerville Post-office, postage	44 00	
Sampson, Murdock Co., directory	6 00	
Samuel Ward Co., stationery	2 70	
		<u>\$4,200 00</u>

Commonwealth of Massachusetts.

CREDIT.

State Tax	\$61,600 00	
National Bank Tax	1,667 62	
Metropolitan Sewer Tax:—		
Sinking Fund Requirements	\$6,919 10	
Interest	25,420 45	
Maintenance	16,980 42	
		<u>49,319 97</u>
Metropolitan Park Tax:—		
Sinking Fund Requirements	\$2,840 95	
Interest	8,279 24	
Maintenance	10,744 99	
		<u>21,865 18</u>
Armory Tax:—		
Sinking Fund Requirements	\$1,629 82	
Interest	2,278 39	
		<u>3,908 21</u>
Middlesex Avenue or Wellington Bridge Tax:—		
Special Assessment	\$4,606 54	
Interest	3,058 85	
Maintenance	1,080 87	
Proportionate District Assessment	518 06	
		<u>9,264 32</u>
Amount carried forward		\$147,625 30

Amount brought forward		\$147,625 30
To improve condition of Alewife Brook, Little River, and Wellington Brook, in pursuance of Section 9, Chapter 327, Acts of 1903, and Section 2, Chapter 445, Acts of 1904		253 87
Metropolitan Water Assessment, 1906:—		
Sinking Fund Requirements	\$22,345 50	
Interest	57,402 07	
Maintenance	17,412 51	
		<hr/> 97,160 08
Unpaid Soldiers' Burials, 1905		70 00
Unpaid National Bank Tax, 1906		13 92
		<hr/> \$245,123 17
Cash	\$1,800 99	
	527 48	
	930 40	
	8,447 89	
	25 03	
		<hr/> 11,731 79
		<hr/> \$256,854 96

DEBIT.

Balance from 1905	\$16,111 42	
Corporation Taxes, 1905	1,686 65	
Corporation Taxes, 1906	22,718 27	
National Bank Tax, 1905	33 83	
National Bank Tax, 1906	3,306 16	
Burial State Paupers	30 00	
Support of Sick Paupers	732 00	
Temporary Support of Paupers	739 40	
Tuition of Children	90 50	
Street Railway Tax	48,329 06	
Boston Elevated Railway Tax	8,447 89	
Contagious Disease Hospital	70 00	
Fees for collecting National Bank Tax	16 87	
Water Receipts, Sinking Fund	800 30	
Cash	152,942 61	
Rent of Armory	800 00	
		<hr/> \$256,854 96

State Aid, 1906	\$15,530 00
Soldiers' Burials, 1905	70 00
Soldiers' Burials, 1906	455 00
Military Aid, 1906	888 50
National Bank Tax, 1906	13 92
Corporation Tax, 1906	2,803 54
	<hr/> \$19,760 96
Balance to debit of account, 1906	19,760 96

Contingent Fund.

CREDIT.

Appropriations, from Taxes, 1906	\$3,450 00
Amounts transferred and unused:—	
Amount transferred to Suppression of Gypsy and Brown-tail Moths account	\$500 00
	<hr/> \$500 00
Amounts carried forward	\$3,450 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 63

Amounts brought forward	\$500 00	\$3,450 00
Amount transferred to Health Department, Medical Inspection in the Public Schools account	125 00	
Excess and Deficiency account, balance transferred	886 87	
	<hr/>	1,511 87
		<hr/>
		\$1,938 13

Receipts:—

Cash, received of sundry persons, licenses to peddle	\$225 00	
Sundry persons, druggists' licenses	32 00	
Charlestown Gas & Electric Co., legal penalty	100 00	
Edw. L. Grant, weighing	1 12	
Cash overplus	01	
	<hr/>	358 13
		<hr/>
		\$2,296 26

DEBIT.

(Expenditures.)

Cash, paid Somerville Post-office, postage	\$12 00
Commonwealth of Massachusetts, 25 per cent. of druggists' licenses	8 00
J. H. Colbath, ringing bell	6 00
Company K, Eighth Regiment, M. V. M., target practice	200 00
Company M, Eighth Regiment, M. V. M., target practice	200 00
John Donnelly & Sons, posting	9 00
Charles L. Ellis, disbursements	2 00
William M. Elliott, ringing bell	3 00
B. F. Freeman, portraits	300 00
B. F. Freeman, Teel's Band	225 00
Thomas Groom & Co., stationery	15 80
E. F. Hicks, refreshments	31 00
J. W. Howard, flowers	35 00
The Two Jamesons, carriage hire	5 00
Henry A. Kendall, ringing bell	6 00
Willard C. Kinsley Post, 139, G. A. R., Memorial Day appropriation	350 00
Howard Lowell & Son, carriage hire	19 00
Little, Brown, & Co., Mass. Digest	24 00
Robert Miller Co., draping building	50 00
Masten & Wells Fireworks Mfg. Co., exhibition of fireworks	475 00
Jairus Mann, disbursements	3 50
Neostyle Co., Neostyle	40 91
George E. Ricker, dinners	2 00
Asbury Strahan, ringing bell	5 00
Walter H. Snow, catering	79 35
H. A. Spaulding, ringing bell	4 00
Somerville Post-office, postage	44 00
Somerville Journal Co., printing	35 00
Trueman H. Thorpe, ringing bell	7 00
W. C. Towne, ringing bell	7 00
	<hr/>
Amount carried forward	\$2,203 56

Amount brought forward	\$2,203 56	
Veteran Association, Company M, Eighth Regiment, U. S. V., Memorial Day appropriation	50 00	
Whitney & Snow, hardware	27 06	
Webcowit Press, printing	3 00	
George B. Wiswall, ringing bell	8 00	
Winter Hill Laundry, laundry work	3 64	
John G. Walton, ringing bell	1 00	
	<hr/>	\$2,296 26

County of Middlesex.

CREDIT.

Appropriations, from Taxes, 1906		\$61,272 24
Receipts:—		
Cash, received of J. O. Hayden, county treasurer, rent of court room	\$600 00	
return on amount received of the city for dog licenses in 1905	4,386 83	
	<hr/>	4,986 83
		<hr/>
		\$66,259 07

Amounts transferred and unused:—

Public Buildings Maintenance, City Build- ings account, amount transferred	\$600 00	
Public Library account, amount transferred,	4,386 83	
	<hr/>	4,986 83
		<hr/>
		\$61,272 24

DEBIT.

(Expenditures.)

Cash, paid County Tax		\$61,272 24
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Coupons Unpaid.

CREDIT.

Balance of coupons unpaid January 1, 1906		\$24,540 00
Coupons maturing April 1, 1906:—		
Water Loan, \$67,000, six months at 4 per cent.	\$1,340 00	
Sewer Loan, \$6,000, six months at 4½ per cent.	135 00	
Sewer Loan, \$30,000, six months at 3½ per cent.	525 00	
Paving Loan, \$35,000, six months at 4 per cent.	700 00	
City Loan, \$36,000, six months at 4 per cent.	720 00	
City Loan, \$118,000, six months at 3½ per cent.	2,065 00	
	<hr/>	5,485 00
Coupons maturing July 1, 1906:—		
City Loan, \$269,000, six months at 3½ per cent.	\$4,707 50	
City Loan, \$691,000, six months at 4 per cent.	13,820 00	
Sewer Loan, \$48,000, six months at 3½ per cent.	840 00	
Sewer Loan, \$151,000, six months at 4 per cent.	3,020 00	
	<hr/>	
Amounts carried forward	\$22,387 50	\$30,025 00

Amounts brought forward	\$22,387 50	\$30,025 00
Metropolitan Park Assessment Loan, \$24,000, six months at 3½ per cent.	420 00	
Water Loan, \$25,000, six months at 4 per cent.	500 00	
Water Loan, \$10,000, six months at 5½ per cent.	275 00	
	<hr/>	23,582 50
Coupons maturing October 1, 1906:—		
City Loan, \$36,000, six months at 4 per cent.	720 00	
City Loan, \$109,000, six months at 3½ per cent.	1,907 50	
Sewer Loan, \$6,000, six months at 4½ per cent.	135 00	
Sewer Loan, \$29,000, six months at 3½ per cent.	507 50	
Paving Loan, \$35,000, six months at 4 per cent.	700 00	
Water Loan, \$67,000, six months at 4 per cent.	1,340 00	
	<hr/>	5,310 00
Coupons maturing January 1, 1907:—		
City Loan, \$222,000, six months at 3½ per cent.	\$3,885 00	
City Loan, \$634,500, six months at 4 per per cent.	12,690 00	
Sewer Loan, \$42,000, six months at 3½ per cent.	735 00	
Sewer Loan, \$156,000, six months at 4 per cent.	3,120 00	
Metropolitan Park Assessment Loan, \$20,000, six months at 3½ per cent.	350 00	
Water Loan, \$24,000, six months at 4 per cent.	480 00	
	<hr/>	21,260 00
		<hr/>
		\$80,177 50
	DEBIT.	
Cash, paid coupons	\$58,002 50	
Coupons of 1906 unpaid	22,175 00	
	<hr/>	\$80,177 50

Election Expenses, City Clerk.

	CREDIT.	
Appropriations, from Taxes, 1906		\$1,650 00
Excess and Deficiency account, balance transferred		306 63
		<hr/>
		\$1,343 37

DEBIT.

(Expenditures.)

Cash, paid American Express Co., express- ing	\$ 40
L. H. Brown, carriage hire	170 00
Robert Burlen, paper	15 00
L. E. Clayton, tape	1 30
Carter's Ink Co., ink	6 00
John Donnelly & Sons, posting	65 00
	<hr/>
Amount carried forward	\$257 70

Amount brought forward	\$257 70	
McGrath & Woodley, precinct books, etc.	35 60	
Wesley A. Maynard, advertising	62 00	
Pneumatic Hand Stamp Co., stamps . .	1 71	
Robert S. Robson & Co., repairing bal- lot boxes	23 75	
Somerville Journal Co., printing	939 07	
The Webcowit Press, printing	1 75	
Sprague & Hathaway Co., mounting maps	2 95	
Samuel Ward Co., stationery	18 84	
		<u>\$1,343 37</u>

Election Expenses, Commissioner of Public Buildings.

CREDIT.		
Appropriations, from Taxes, 1906		\$900 00
Excess and Deficiency account, balance transferred		16 05
		<u>\$883 95</u>

DEBIT.		
(Expenditures.)		
Cash, paid Carlisle, Ayer Co., door, frame, etc.	\$19 45	
Jim Hodder, rent of hall	40 00	
Warren E. Locke, rent of hall	24 00	
Arthur G. Pearson, rent of hall	80 00	
Harris P. Tibbetts, carpentering	720 50	
		<u>\$883 95</u>

Election Expenses, Pay of Election Officers.

CREDIT.		
Appropriations, from Taxes, 1906		\$2,500 00
Excess and Deficiency account, balance transferred		19 00
		<u>\$2,519 00</u>

DEBIT.		
(Expenditures.)		
Cash, paid election officers	\$2,524 00	
(Cash)	5 00	
		<u>\$2,519 00</u>

Election Expenses, Registrars of Voters.

CREDIT.		
Appropriations, from Taxes, 1906		\$1,650 00
Excess and Deficiency account, balance transferred		253 67
		<u>\$1,396 33</u>

DEBIT.		
(Expenditures.)		
Cash, paid Levi F. S. Davis, salary as registrar	\$28 75	
Frederic W. Cook, salary as registrar . .	200 00	
		<u>\$228 75</u>
Amount carried forward	\$228 75	

Amount brought forward	\$228 75	
Charles P. Lincoln, salary as registrar	200 00	
Charles E. Parks, salary as registrar	200 00	
Edwin D. Sibley, salary as registrar	133 33	
Charles G. Brett, clerical services	12 00	
George E. Davis, clerical services	36 00	
Fred E. Warren, clerical services	12 00	
Howard E. Wemyss, clerical services	42 00	
Laurence S. Howard, clerical services	12 00	
Frank E. Merrill, clerical services	24 00	
Fred E. Warren, clerical services	12 00	
Wesley A. Maynard, advertising	20 00	
McGrath & Woodley, binding precinct books	56 00	
Somerville Journal Co., printing, etc.	408 25	
		<u>\$1,396 33</u>

Electrical Department.

CREDIT.

Appropriations, from Taxes, 1906	\$8,500 00
Excess and Deficiency account, balance transferred	1,241 63
	<u>\$7,258 37</u>

Stock and labor billed other departments:—

Electrical Department, Underground Construction account, labor, etc.	689 79
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Receipts:—

Cash, received of Morris Silverman, old copper, etc.	\$56 12	
Edison Electric Illuminating Co., labor	250 00	
Lewis Sbowosky, cutting and replacing wires	7 50	
O. Rosenberg, old junk	5 70	
J. A. Kiley, buggy	30 00	
North Packing & Provision Co., labor	47 18	
		<u>396 50</u>
		<u>\$8,344 66</u>

DEBIT.

(Expenditures.)

Cash, paid Edward Backus, salary as superintendent of electric lines and lights	\$318 60
Laborers	4,953 25
Melvin F. Underwood, disbursements	4 00
American Express Co., expressing	3 96
American Steel & Wire Co., wire	326 42
D. J. Bennett, repairing harnesses	70 25
Charles E. Berry, repairing apparatus	93 54
Beattie Zinc Works, zincs	25 00
J. A. & W. Bird & Co., blue vitriol	84 77
F. W. Barry, Beale & Co., books	4 05
W. H. Bullard, supplies	4 30
Charles H. Cutter, labor	9 00
Chandler & Farquhar Co., rivets	23 98
Clifton Mfg. Co., electrical supplies	17 85
S. H. Couch Co., electrical supplies	38 64
Chase, Shawmut Co., supplies	21 37
Cornelius Callahan Co., gong	22 50
Amount carried forward	<u>\$6,021 48</u>

Amount brought forward	\$6,021 48	
Cambridge Co-operative Press, printing	15 00	
Josiah Cummings & Son, suit-case	4 00	
G. W. Cutter, rubber boots, etc.	31 25	
Jackson Caldwell & Co., couch, etc.	17 50	
Julian D'Este Co., composition	1 75	
Davenport, Brown Co., wire boxes	37 91	
Electrocraft Publishing Co., magazine	1 00	
Electric Goods Mfg. Co., supplies	236 75	
Electric Gas Lighting Co., supplies	3 78	
Ferd. F. French & Co., Goddard buggy	155 00	
Fellows & Co., stepladder	2 65	
F. M. Ferrin, wire	25 00	
Thomas W. Gleeson, electrical supplies	19 75	
Gilman Express Co., expressing	2 50	
Gamewell Fire Alarm Telegraph Co., supplies	611 27	
Glines & Co., expressing	2 45	
Peter Gray & Sons, search light, etc.	56 50	
Thomas Groom & Co., binders	9 50	
William S. Howe, pipe	95	
Frank O. Johnson, making standpipes, etc.	28 37	
J. A. Kiley, wagon repairs	38 25	
Howard Lowell & Son, carriage hire	15 00	
J. A. Marsh, oats and hay	43 52	
C. F. Mills, carpentering	26 00	
William G. Martin, making keys	6 50	
C. W. H. Moulton & Co., ladders	5 00	
New England Telephone & Telegraph Co., supplies	90 89	
Puritan Brewing Co., expense of whistle,	30 00	
Pneumatic Hand Stamp Co., stamps	2 35	
Charles E. Perry & Co., supplies	58 60	
W. E. Plumer & Co., supplies	19 36	
Pettingell-Andrews Co., electrical sup- plies	9 72	
Somerville Post-office, stamps and cards,	9 50	
Somerville Journal Co., printing	79 60	
Thorpe's Express, expressing	2 45	
A. W. Tuckerman, gasoline, etc.	4 80	
Charles L. Underhill, supplies	7 55	
Underhill Hardware Co., supplies	149 06	
Herbert Wood, keys	1 50	
William H. Wilson, springs and barrel	3 00	
A. D. Wheeler, supplies	122 75	
I. H. Wiley & Co., supplies	12 00	
Frederick B. Witherly, hangers	16 65	
L. D. White, carting	6 25	
	<hr/>	
	\$8,044 66	
Fire Department, board of horses	300 00	
	<hr/>	
		<u>\$8,344 66</u>

Electrical Department, Underground Construction.

CREDIT.

Sewers Construction account, amount transferred	\$3,000 00
Amount carried forward	<hr/> \$3,000 00

Amount brought forward	\$3,000 00
Balance to credit of account, 1907	239 80
	<hr/>
	\$2,760 20

DEBIT.

(Expenditures.)

Cash, paid F. W. Barry, Beale & Co., stationery	\$1 20
Chandler & Farquhar Co., screws	2 27
C. H. Crosby & Co., installing cable	194 25
New England Telephone & Telegraph Co., swedge pipe	12 36
New York Insulated Wire Co., cable	1,834 40
Thorpe's Express, expressing	50
Underhill Hardware Co., supplies	11 07
Frederick B. Witherly, boxes	14 36
	<hr/>
	\$2,070 41
Electrical Department, labor	689 79
	<hr/>
	<u>\$2,760 20</u>

Excess and Deficiency.

CREDIT.

Balance from 1905	\$5,496 14
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DEBIT.

Public Buildings Maintenance, Fire Department, amount transferred	<u>\$5,496 14</u>
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CREDIT.

City Auditor, balance of 1906 account	\$19 63
City Clerk, balance of 1906 account	478 60
City Engineer, balance of 1906 account	42
Contingent Fund, balance of 1906 account	886 87
Election Expenses:—	
City Clerk, balance of 1906 account	306 63
Commissioner of Public Buildings, balance of 1906 account	16 05
Registrars of Voters, balance of 1906 account	253 67
Electrical Department, balance of 1906 account	1,241 63
Executive Department, balance of 1906 account	99 29
Health Department, Contagious Disease Hospital, balance of 1906 account	5,392 55
Health Department, Medical Inspection in Public Schools, balance of 1906 account	8 31
Inspection of Buildings, balance of 1906 account	6 53
Interest, balance of 1906 account	6,628 21
Military Aid, balance of 1906 account	111 50
Printing and Stationery, balance of 1906 account	393 91
Public Buildings Maintenance, Fire Department, balance of 1906 account	1,070 14
Public Grounds, balance of 1906 account	37
Public Library, balance of 1906 account	16 98
Reduction of Funded Debt, balance of 1906 account	5,593 35
Sewers Maintenance, balance of 1906 account	75 68
Street Lights, balance of 1906 account	2,444 79
	<hr/>
Amount carried forward	\$25,045 11

Amount brought forward	\$25,045 11
Support of Poor, Miscellaneous, balance of 1906 account	1,685 12
Water Maintenance, balance of 1906 account	1,787 18
	<hr/>
Balance to credit of account, 1907	\$28,517 41
	1,427 41
	<hr/>
	\$27,090 00

DEBIT.

Assessors, balance of 1906 account	\$171 31
City Messenger, balance of 1906 account	8 49
City Solicitor, balance of 1906 account	114 67
City Treasurer, balance of 1906 account	343 47
Election Expenses:—	
Pay of Election Officers, balance of 1906 account	19 00
Fire Department, balance of 1906 account	651 77
Health Department, balance of 1906 account,	3,175 42
Collection of Ashes and Offal, balance of 1906 account	4,641 06
Suppression of Gypsy and Brown-tail Moths, balance of 1906 account	913 35
Highways, Watering Streets, balance of 1906 account	5 33
Police, balance of 1906 account	5,262 08
Public Buildings Maintenance:—	
City Buildings, balance of 1906 account	1,996 70
Janitors' Salaries, balance of 1906 account,	1,149 57
Schoolhouses, balance of 1906 account	4,639 54
School Contingent, balance of 1906 account,	2,540 91
School Teachers' Salaries, balance of 1906 account	741 21
Sealer of Weights and Measures, balance of 1906 account	38 65
Soldiers' Relief, balance of 1906 account	279 00
Support of Poor, City Home, balance of 1906 account	398 47
	<hr/>
	\$27,090 00

Excise Tax.

CREDIT.

Balance from 1905	\$223 01
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DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded	\$223 01
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Executive Department.

CREDIT.

Appropriations, from Taxes, 1906	\$4,000 00
Excess and Deficiency account, balance transferred	99 29
	<hr/>
	\$3,900 71

Receipts:—

Postage in connection with California Relief fund	2 68
	<hr/>
	\$3,903 39

DEBIT.

(Expenditures.)

Cash, paid Charles A. Grimmons, salary as mayor	\$2,500 00	
Fred E. Warren, secretary to the mayor,	1,200 00	
W. A. Greenough & Co., directory	4 00	
New England Telephone & Telegraph Co., service	65 31	
Pneumatic Hand Stamp Co., stamps	1 70	
Somerville Journal Co., printing	46 00	
Sprague & Hathaway Co., frame	6 50	
Underwood Typewriter Co., machine	63 75	
Samuel Ward & Co., stationery	16 13	
		<u>\$3,903 39</u>

Fire Department.

CREDIT.

-Appropriations, from Taxes, 1906	\$45,500 00	
Water Works Income account, amount appropriated	24,500 00	
Excess and Deficiency account, balance transferred	651 77	
		<u>\$70,651 77</u>
Stock and labor billed other departments:—		
Electrical Department, board of horses	300 00	
Receipts:—		
Cash, received of City Treasurer, fines	820 95	
		<u>\$71,772 72</u>

DEBIT.

(Expenditures.)

Cash, paid James R. Hopkins, salary as chief engineer	\$2,000 00	
Edward W. Ring, assistant engineer	1,200 00	
Permanent firemen and substitutes	37,952 00	
Callmen:—		
Steamer Co. No. 1	1,583 40	
Steamer Co. No. 2	1,697 84	
Steamer Co. No. 4	1,410 40	
Hose Co. No. 2	\$1,509 85	
(Cash)	16 66	
		<u>1,493 19</u>
Hose Co. No. 3	1,424 00	
Hose Co. No. 5	1,455 82	
Hose Co. No. 6	993 90	
Hose Co. No. 7	931 11	
Hook and Ladder Co. No. 1	2,226 79	
Hook and Ladder Co. No. 2	2,377 12	
Charles E. Berry, horseshoeing	24 50	
J. H. Edwards, horseshoeing	198 04	
George W. Ladd, horseshoeing	76 85	
George McDormand, horseshoeing	123 20	
Edward O'Brien, horseshoeing	83 40	
Pearl-street Shoeing Forge, horse-shoeing	103 65	
John B. Rufer, horseshoeing	323 10	
J. H. Thompson, horseshoeing	32 65	
Harry Tobin, horseshoeing	78 70	
I. B. Walker, horseshoeing	146 00	
		<u>\$57,985 66</u>
Amount carried forward		

Amount brought forward	\$57,985 66
Thomas L. Deegan, horseshoeing	4 25
Ashley Brothers, horseshoeing	13 50
Margaret E. Calvert, washing	160 74
Mrs. I. C. Jackson, washing	123 44
Mrs. W. Loveland, washing	64 50
Helen R. Stevens, washing	47 00
Mrs. E. F. Trefren, washing	38 38
A. M. Spike, washing	30 87
American Express Co., expressing	26 45
American La France Fire Engine Co., repairing engine	50 22
F. F. Armstrong, stable pails	15 55
Archibald Wheel Co., repairing wheels	74 43
George A. Ayer, brooms	7 25
F. W. Barry, Beale & Co., stationery	12 75
F. D. Bartlett, bit holders, etc.	40 50
D. J. Bennett, repairing harnesses	130 10
Charles E. Berry, repairing apparatus	385 65
The Boston Regalia Co., insignia	12 32
H. A. Brownell, repairing harness	26 95
Henry K. Barnes, coal bags, etc.	109 00
Boston Coupling Co., hose, etc.	392 50
Edward A. Binney, insurance	13 55
Joseph Breck & Sons, force pump	3 75
Barbour, Stockwell Co., repairing appa- ratus	16 95
John Binney & Son, supplies	25 85
James M. Berry, horse medicine	4 35
Boston Belting Co., hose	140 68
Boston Nickel Plating Co., plating	3 51
Boston Woven Hose & Rubber Co., hose	70 00
J. Hurd Brown, lubricant	5 00
Jackson Caldwell & Co., furniture	2 50
J. L. Crafts, canvas apron, etc.	107 70
Cairns & Brother, fronts, etc.	23 25
The Cornelius Callahan Co., hose, etc.	369 45
Commonwealth Oil Co., soap	15 31
W. B. Clark Co., book	9 00
Samuel Cohen, soda bags	12 00
John T. Coneeny, lunches	3 00
John Conrad & Co., brooms	8 75
Cameron Chemical Co., disinfectant	65
Crosby Steam Gage & Valve Co., repair- ing valve	\$5 50
(Cash)	3 75
	<hr/>
	1 75
G. W. Cutter, insignia	22 25
Clarence V. Cook, lettering	2 25
Cambridge Ice Co., ice	45 15
Herbert I. Dallman & Co., supplies	61 50
J. A. Durell, supplies	8 55
Julian D'Este Co., composition	1 36
T. J. Douglass & Co., shoeing	65
Dodge, Haley, & Co., pads	15 20
Davenport-Brown Co., lumber	2 94
Eastern Drug Co., drugs	16 72
Eureka Fire Hose Co., hose	185 00
J. W. Edmonds & Son, metal polish	33 66
	<hr/>
Amount carried forward	\$60,984 24

Amount brought forward	\$60,984 24
Electric Goods Mfg. Co., fan motor	14 00
Elms Farm Boarding Stable, boarding horse	30 82
Charles L. Ellis, fender	5 25
F. E. Fitts Mfg. & Supply Co., supplies	22 88
Firestone Tire & Rubber Co., repairing tire, etc.	982 80
Fire & Water Engineering, subscription,	3 00
Fresh Pond Ice Co., ice	49 30
G. C. Fiske, life gun	25 00
Gilman Express Co., expressing	7 55
Glines & Co., expressing	63 68
D. J. Greene & Co., brooms	54 50
W. A. Greenough & Co., directories	20 00
Arthur C. Gordon, lettering	4 00
George E. Grover, medicine	2 85
C. H. Goldthwaite & Co., stretcher	13 00
The Harral Soap Co., soap powder	24 12
Henry S. Harris & Sons, repairing harnesses	106 60
Robert Hull, oil	113 47
The Hale & Mayhew Co., setting tires	32 00
W. G. Hallock, brushes	21 00
Hill & Hill, snaps, etc.	32 12
Hydro-Carbon Chemical Co., Kill-dust	3 00
William S. Howe, repairing apparatus	4 85
S. F. Hayward & Co., hose drying rack	28 35
Jim Hodder & Brothers, sheets, etc.	40 39
Henry S. Harris' Sons, horses	940 00
Hemeon Brothers, repairing apparatus	10 25
William H. Hitchings, veterinary services	33 25
J. M. Hardy, lanterns	5 00
Irland Pipe Wrench Co., wrench	1 50
Iver Johnson Sporting Goods Co., horn, etc.	14 00
The Two Jamesons, horse	250 00
J. A. Kiley, repairing apparatus . \$335 75	
(Cash)	6 00
	<hr/>
	329 75
S. E. Killion & Co., typewriting	6 65
F. W. Kimball, tool box, etc.	18 50
Lord & Webster, hay and straw	1,220 88
Dr. J. G. Lesure, medicine	20 00
La-Lo Mfg. Co., spray	2 00
Elias Lathrop, hoof ointment	8 00
C. W. Lerner & Co., disinfectant	37 50
Little, Brown, & Co., Mass. Acts	1 50
J. A. Marsh, hay and straw	14 54
C. W. H. Moulton & Co., repairing ladders	467 00
Mathieson Alkali Works, soda	66 64
D. McDonald, repairing harnesses	31 25
Raphael Masstrangialo, insignia	3 60
Mitchell Mfg. Co., badges	21 00
Murphy, Leavens & Co., sponges	26 83
C. E. Moody, step covers	17 00
	<hr/>
Amount carried forward	\$66,235 41

Amount brought forward	\$66,235 41
Moore's Charlestown Express, express- ing	1 00
Manhattan Rubber Mfg. Co., hose	35 00
L. Martin, couch	6 50
Massachusetts Association for the Blind, mops	8 00
New England Telephone & Telegraph Co., service	183 88
George W. Norton, soap	6 30
D. B. Nixon, painting	18 00
National First Aid Association of America, emergency outfit	55 65
Fulton O'Brien, hay and straw	1,241 73
James W. O'Neil, repairing apparatus . .	22 57
Orient Mfg. Co., spray	3 00
H. H. Osgood & Co., squilgees	12 00
Our Store, comforters	4 50
W. E. Plumer & Co., hardware	7 47
Proctor Brothers, hay and grain	1,446 12
Henry D. Padelford, supplies	8 50
C. N. Perkins Co., tires, etc.	147 50
Perham's Express, expressing	1 85
R. G. Perkins, medicine, etc.	4 08
W. H. Richardson, sharpening clippers . .	50
Robb-Mumford Boiler Co., setting tubes, J. B. Rufer, sharpening clippers, etc. . .	152 40
G. D. B. Robinson, repairing fence . . .	201 15
A. G. Renner, expressing	56 87
E. W. Ring, custodian	45
John A. Robinson Co., coaline	120 00
Charles R. Simpson, veterinary services, Somerville Journal Co., printing	6 25
Somerville Post-office, postage	80 00
Shepard & Harding, hay	17 75
E. S. Sparrow & Co., hardware	7 00
Sartwell, Heinold & Humphrey, soap . .	250 36
Standard Extinguisher Co., extin- guishers	12 00
P. Sutherland & Co., metal polish . . .	4 80
Swift Paint Co., enamel	55 00
Nathan Tufts & Sons, hay and grain . .	15 50
J. H. Thompson, repairing apparatus . . .	8 75
E. Teel & Co., repairing wagons	440 64
Thorpe's Express Co., expressing	2 00
Underhill Hardware Co., hardware . . .	27 00
Union Glass Co., lantern globes	1 05
C. L. Underhill, bolts, etc.	48 40
Harry Van Iderstine, insurance	4 10
Welch, Dwyer & Grady, repairing appa- ratus	6 00
Whitney & Snow, hardware	17 51
Wellington-Wild Coal Co., coal	99 30
Welch & Hall Co., horses	10 43
William J. Wiley, repairing apparatus . .	168 00
L. A. Wright, repairing wagons	475 00
I. B. Walker, repairing apparatus	4 85
	29 60
	1 00

\$71,772 72

Funded Debt.

CREDIT.

Funded Debt, as stated January 1, 1906	.	.	.	.	\$1,510,000 00
Issue of 1906:—					
City Loan Bonds Nos. 3428 to 3507	.	.	.	\$80,000 00	
Sewer Loan Bonds Nos. 359 to 378	.	.	.	20,000 00	
				<hr/>	100,000 00
					<hr/>
					\$1,610,000 00

DEBIT.

Bonds matured in 1906:—

City Loan Bonds Nos. 3310 to 3318	.	\$9,000 00
City Loan Bonds Nos. 1680 to 1685	.	6,000 00
City Loan Bonds Nos. 1918 to 1932	.	15,000 00
City Loan Bonds Nos. 2140 to 2147	.	8,000 00
City Loan Bonds Nos. 2303 to 2311	.	9,000 00
City Loan Bonds Nos. 2437 to 2446	.	10,000 00
City Loan Bonds Nos. 2564 to 2570	.	7,000 00
City Loan Bonds Nos. 2686 to 2695	.	10,000 00
City Loan Bonds Nos. 2810 to 2817	.	8,000 00
City Loan Bonds Nos. 2924 to 2933	.	10,000 00
City Loan Bonds Nos. 3038 to 3046	.	9,000 00
City Loan Bonds Nos. 3199 to 3206	.	8,000 00
City Loan Bond No. 3207	.	500 00
City Loan Bonds Nos. 3154 to 3155	.	2,000 00
Sewer Loan Bond No. 329	.	1,000 00
Sewer Loan Bond No. 65	.	1,000 00
Sewer Loan Bond No. 182	.	1,000 00
Sewer Loan Bond No. 206	.	1,000 00
Sewer Loan Bond No. 228	.	1,000 00
Sewer Loan Bond No. 257	.	1,000 00
Sewer Loan Bond No. 281	.	1,000 00
Sewer Loan Bond No. 305	.	1,000 00
Sewer Loan Bond No. 48	.	1,000 00
Sewer Loan Bonds Nos. 114 to 116	.	3,000 00
Paving Loan Bonds Nos. 66 to 70	.	5,000 00
Water Loan Bond No. 4457	.	1,000 00
Water Loan Bonds Nos. 356 to 358	.	3,000 00
Water Loan Bonds Nos. 454 to 455	.	2,000 00
Water Loan Bonds Nos. 30 to 31	.	10,000 00
Metropolitan Park Assessment Loan		
Bond No. 4	.	1,000 00

		\$145,500 00
Present Funded Debt, balance of account	.	1,464,500 00
		<hr/>
		\$1,610,000 00

Grade Crossings.

CREDIT.

Balance from 1905	.	.	.	.	.	\$977 30
Balance to credit of account, 1907	.	.	.	.	.	373 51
						<hr/>
						\$603 79

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, legal services		
and expenses	.	223 24
		<hr/>
Amount carried forward	.	223 24

Amount brought forward	\$223 24	
Laborers	282 51	
Frost & Adams Co., drawing supplies . .	10 79	
Howard Lowell & Son, carriage hire . .	12 00	
Charles E. Moss, blue prints	18 00	
Somerville Journal Co., printing . . .	57 25	
		<u>\$603 79</u>

Health Department.

CREDIT.

Appropriations, from Taxes, 1906	\$6,400 00
Excess and Deficiency account, balance transferred . .	3,175 42
	<u>\$9,575 42</u>

Receipts:—

Cash, received of J. E. Richardson, milk inspector's fees	\$121 22	
William P. Mitchell, permits to keep swine	63 00	
City of Medford, care of patient	2 35	
William A. Campbell, care of patient . .	120 00	
Welch & Hall, horse	64 40	
		<u>370 97</u>
		<u>\$9,946 39</u>

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent .	\$1,300 00
Sundry persons, burying dead animals .	162 00
Charles M. Berry, salary as inspector of animals and provisions	1,000 00
fumigating, etc.	60 00
Julius E. Richardson, salary as milk inspector	1,000 00
disbursements	6 21
Frank L. Morse, M. D., salary as medical inspector	1,000 00
American Express Co., expressing . . .	6 15
Mrs. M. E. Ayer, nursing	202 86
F. C. Ayer, lumber	53 86
D. J. Bennett, repairing harnesses . . .	68 60
City of Boston, care of patients	511 44
J. A. & W. Bird & Co., flintsote	11 47
J. H. Brooks, blankets and pillows . . .	8 75
W. C. Bucknam, thermometer	1 25
Cambridge Ice Co., ice	28 80
Allan Coughlan, repairing tires	6 70
Charles H. Cutter, rewinding armature .	6 75
Jackson Caldwell & Co., mattress	5 50
Willard L. Clough, printing	16 10
Eastern Drug Co., acid	3 25
City of Everett, care of patients	1,419 00
Eimer & Amend, electrical supplies . .	1 50
G. M. Fortin, painting	20 00
Thomas Groom & Co., stationery	65 60
Gilman Express Co., expressing	55
	<u>\$6,966 34</u>
Amount carried forward	\$6,966 34

Amount brought forward	\$6,966 34	
Peter Gray & Sons, swab wires	1 00	
E. Horne, repairing chimney	19 37	
George L. Janvrin, repairing scales	1 50	
James Kenney, labor	22 40	
Howard Lowell & Son, carriage hire	19 00	
William G. Martin, repairing regenerator	24 00	
Melvin & Badger, drugs	65 40	
C. F. Mills, labor	9 00	
Massachusetts State Board of Agriculture, stamp outfit	1 75	
Theodore Metcalf Co., drugs	12 22	
New England Telephone & Telegraph Co., service	114 18	
Milton H. Plummer, supplies	2 90	
M. Patterson, labor	1 75	
A. P. Rockwood, board of horse, etc.	260 32	
Russell & Co., supplies for pest house	23 35	
Somerville Post-office, postage	14 00	
Somerville Post-office, box rent	2 00	
Schlegel & Fottler Co., tongue depressors	2 00	
Somerville Journal Co., printing	82 25	
E. S. Sparrow & Co., supplies	3 93	
Somerville Brush Co., brushes	1 44	
Harry Tobin, horseshoeing	20 90	
Frank A. Teele, fuel	8 76	
C. Clarke Towle, care of patients	160 00	
Taylor & Rawson, Goddard buggy	100 00	
F. H. Thomas Co., oil and stain	2 23	
Robert S. Weston, analyzing	22 00	
Whitall Tatum Co., corks	6 04	
Charles Waugh & Co., ambulance, etc.	180 50	
Webcowit Press, printing	2 75	
David Whiting & Sons, milk strainer	1 00	
Welch & Hall, bay horse	235 00	
I. B. Walker, repairing buggy	45 00	
	<hr/>	
	\$8,434 28	
Health Department, Contagious Disease Hospital, care of patients	1,512 11	
	<hr/>	
		\$9,946 39

Health Department, Collection of Ashes and Offal.

CREDIT.

Appropriations, from Taxes, 1906	\$36,600 00
Excess and Deficiency account, balance transferred	4,641 06
	<hr/>
	\$41,241 06

Receipts:—

Cash, received of sundry persons, offal	\$6,588 91	
C. T. Conant, horse	75 00	
T. O'Neil, horse	40 00	
Mr. Morrill, horse	75 00	
J. J. Ryan, manure	25 00	
	<hr/>	
		6,803 91
Stock and labor billed other departments:—		
Support of Poor, City Home account, offal		318 76
		<hr/>
		\$48,363 73

DEBIT.

(Expenditures.)

Cash, paid Edgar T. Mayhew, salary as superintendent	\$1,200 00
J. H. Thompson, board of horse, etc.	257 05
Laborers	36,544 88
T. Allen, use of teams	35 50
G. J. Allen, teaming	35 00
D. J. Bennett, harness work	665 02
H. E. Bowman, drugs	6 65
Jerry Buttmer, teaming	5 00
T. F. Crimminings, teaming	12 50
John Cronin, teaming	10 00
Denison, Estabrook & Co., brooms	8 88
J. A. Durell, supplies	60 21
C. Howard Dalton, M. D., professional services	3 00
J. H. Edwards, horseshoeing	45 00
W. F. Eldridge, metal polish	5 00
John Fisher & Co., offal pails	10 80
Thomas Groom & Co., stationery	33 50
Glines & Co., expressing	30
The Hale & Mayhew Co., repairing wagons	392 57
Lord & Webster, hay and straw	1,014 39
George W. Ladd, horseshoeing	113 40
George McDormand, horseshoeing	163 51
William W. Morrison, metal polish	1 00
Wesley A. Maynard, advertising	2 06
New England Telephone & Telegraph Co., service	48 74
Edw. O'Brien, horseshoeing	229 89
Fulton O'Brien, hay and grain	1,496 59
Proctor Brothers, hay and grain	1,341 92
John B. Rufer, clipping	4 00
Somerville Hospital, care of accident case	2 86
Shepard, Clark & Co., sponges	30 15
Charles R. Simpson, veterinary services	21 00
Shepard & Harding, corn and bran	154 44
Somerville Journal Co., advertising	3 00
Sulpho-Napthol Co., sulpho-napthol	45 35
Simpson Brothers Corporation, pavement at garbage plant	717 45
Nathan Tufts & Sons, hay and grain	666 55
Taylor & Rawson, carriage	100 00
I. B. Walker, horseshoeing, etc.	706 99
L. A. Wright, repairing wagons	44 45
Welch & Hall, horses	872 50
Whitney & Snow, hardware	39 84
Walsh Brothers, pointing	47 00
	<hr/>
	\$47,197 94
Highways Maintenance account, use of city teams	1,143 19
Highways, Paved Gutters and Crossings account, granite blocks	14 30
Sewers Maintenance account, labor, etc.	8 30
	<hr/>
	<u>\$48,363 73</u>

Health Department, Contagious Disease Hospital.

CREDIT.

Appropriations, from Taxes, 1906	\$6,000 00
Health Department, Contagious Disease Hospital, Ac- counts for Collection account, amount transferred	2,329 24
	<hr/>
	\$8,329 24
Excess and Deficiency account, balance transferred	5,392 55
	<hr/>
	\$2,936 69
Commonwealth of Massachusetts, care of patients	70 00
Health Department, care of patients	1,512 11
Cash, received of City of Cambridge, care of patients	\$407 83
City of Boston, care of patients	310 71
City of Lynn, care of patients	85 71
City of Newton, care of patients	10 71
Town of Belmont, care of patients	109 28
Sundry persons, care of patients	280 70
	<hr/>
	1,204 94
	<hr/>
	\$5,723 74

DEBIT.

(Expenditures.)

Cash, paid Frank L. Morse, M. D., salary as medical inspector	\$50 00
Nellie J. VanCor, matron	516 07
Nellie J. VanCor, board, etc.	7 35
Nellie J. VanCor, disbursements	206 68
Nurses and assistants	1,223 32
T. Allen, concreting	283 75
C. J. Bailey & Co., sheeting, etc.	46 26
C. A. Bent, milk	2 59
Boston Medical Library, supplying nurse,	2 00
Mary Burke, laundering	52 00
John Adcock, plumbing	35 00
Cambridge Ice Co., ice	63 40
Maud M. Crawford, nursing	131 77
Carter, Rice & Co., paper, etc.	9 33
Janet Dryden, nursing	39 99
C. C. Elliott, fish and oysters	25 12
Empire Laundry Machinery Co., ironing board	18 50
Willis S. Furbush & Co., supplies	78 07
J. B. Fuller & Co., supplies	12 00
C. H. Goldthwaite & Co., surgical in- struments, etc.	61 62
J. Frank Gear, surgical supplies	35 78
A. H. Grover, nursing	21 00
Dora D. Holbrook, nursing	152 67
H. P. Hood & Son, milk	198 18
E. Howard Clock Co., clocks	30 00
Hobbs & Warren, blanks	1 11
Martin L. Hall & Co., groceries	85 96
Jones, McDuffy & Stratton, supplies	31 12
Knight & Thomas, fire extinguishers	84 00
Addie Keay, labor as seamstress	26 67
	<hr/>
Amount carried forward	\$3,531 31

Amount brought forward	\$3,531 31	
Jessie B. Lang, nursing	268 93	
William Leavens, mattress and pillows	81 75	
Lewis Batting Co., bandages, etc.	29 65	
Lister Laboratory Co., sputum cups, etc.,	3 70	
Melvin & Badger, drugs	11 75	
Wesley A. Maynard, printing	2 75	
New England Telephone & Telegraph Co., service	22 03	
George A. Odiorne Coat Co., gowns	21 00	
Gorham T. Pearson, cloth, etc.	3 87	
W. E. Plumer & Co., paint	23 61	
John H. Pray & Sons Co., carpet and rugs	75 05	
George L. Robinson, painting	42 60	
Shepard, Norwell & Co., supplies	37 86	
C. A. Smith, provisions	182 85	
Somerville Journal Co., printing	28 08	
C. L. Stevens, supplies	393 24	
John D. Taapken, groceries	75 50	
J. Overton Taylor, nursing	50 20	
S. Ward Co., stationery	5 61	
Wilson, Larrabee & Co., dry goods	156 09	
William J. Wiley, supplies	95 86	
Richard Wright & Co., bedding	75 00	
H. G. White, electric work	5 45	
Charles Waugh & Co., ambulance	500 00	
		<u>\$5,723 74</u>

**Health Department, Contagious Disease Hospital,
Department Accounts for Collection.**

CREDIT.

Balance to debit of account, 1907	\$2,329 24
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DEBIT.

Health Department, Contagious Disease Hospital account, amount transferred	<u>\$2,329 24</u>
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**Health Department, Medical Inspection in the
Public Schools.**

CREDIT.

Contingent Fund, amount transferred	\$125 00
Excess and Deficiency account, amount transferred	8 31

\$116 69

DEBIT.

(Expenditures.)

Cash, paid W. L. Bond, medical inspection	\$16 67
Herbert Cholerton, medical inspection	16 67
Robert F. Gibson, medical inspection	16 67
Francis Shaw, medical inspection	16 67
Loring H. Raymond, medical inspection,	16 67
Warren D. Ruston, medical inspection	16 67
M. W. White, medical inspection	16 67

\$116 69

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons	\$3,690 62
Balance to debit of account, 1907	2,970 95
Highways Construction account, amount abated	1,722 21

 \$8,383 78

DEBIT.

Balance from 1905	\$5,152 78
Highways Construction account, assessments levied as follows:--	
Calvin street	\$506 75
Franklin avenue	180 82
Jasper street	161 65
Lexington avenue	474 27
Malvern avenue	472 97
Seven Pines avenue	76 70
Skehan street	142 79
Veazie street	172 43
Wheatland street	757 68
Yorktown street	284 94

 3,231 00.

 \$8,383 78
Highways, Construction.

CREDIT.

Balance from 1905	\$20 67
Appropriations, from Funded Debt, 1906	25,000 00
Highways, Paved Gutters and Crossings account, amount transferred	8,000 00
Sewers Construction account, amount transferred	2,000 00
Highways, Paving Broadway, Bow and Summer Streets account, amount transferred	1,444 93
Highways, Shade Trees account, amount transferred	83 40
Highways, Thorndike-Street Subway account, amount transferred	34 47
Public Buildings Construction, Contagious Disease Hospital account, amount transferred	6 24
Public Buildings Construction, High School Building account, amount transferred	5 24

 \$36,594 95

 Highway Betterment Assessments, amount abated 1,722 21

 \$34,872 74

Amounts transferred and unused:—

Highways, Paved Gutters and Crossings account, amount transferred	\$397 53
Sidewalks Construction account, amount transferred	1,065 91
Public Buildings Construction, Sanitary Systems in Bell, Bingham, and Edgerly Schools account, amount transferred	975 93

 2,439 37

 Amount carried forward \$32,433 37

Amount brought forward		\$32,433 37
Stock and labor billed other departments:—		
Highways Maintenance account, stone	\$99 68	
Highways, Paved Gutters and Crossings account, blocks	2,847 02	
		2,946 70
Charged to Highway Betterment Assessments, assessments levied		3,231 00
		<hr/> \$38,611 07
Balance of account unused, carried to 1907		2,879 89
		<hr/> \$35,731 18

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,688 50	
Jerry Buttiner, crushed stone	172 02	
William H. Casey & Co., bricks	49 13	
Hassam Paving Co., concrete for foundation	100 00	
S. & R. J. Lombard, flagging	106 92	
Middlesex Registry of Deeds, recording documents	53 75	
Metropolitan Paving Brick Co., bricks	906 94	
Wesley A. Maynard, printing	12 50	
John Silk, sand	14 00	
Albin L. Richards, settlement of suit	100 00	
Simpson Brothers Corporation, paving Union square and Medford street	\$20,675 60	
(Cash)	4,221 76	
		<hr/> 16,453 84
Waldo Brothers, cement	5,081 36	
Somerville Journal Co., advertising	110 00	
Underhill Hardware Co., lamp black	40	
Waltham Trap Rock Co., stone	1,205 99	
Warren Brothers Co., paving	855 43	
		<hr/> \$30,910 78
Highways Maintenance account, use of city teams and materials	4,148 62	
Sewers Construction account, cement	122 32	
Sidewalks Maintenance account, bricks	64 18	
Water Maintenance account, water furnished	30 00	
Sewers Maintenance account, changing line,	455 28	
		<hr/> \$35,731 18

Highways, Maintenance.

CREDIT.

Balance from 1905		\$4,646 56
Commonwealth of Massachusetts:—		
Street Railway Tax	\$48,329 06	
Boston Elevated Railway Tax	8,447 89	
		<hr/> 56,776 95
Amount carried forward		<hr/> \$61,423 51

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Amount brought forward	\$61,423 51
Sidewalks Maintenance account, amount transferred	999 41
	<hr/>
	\$60,424 10
Balance of account unused, carried to 1907	1,926 60
	<hr/>
	\$58,497 50

Receipts:—

Cash, received of sundry persons, labor and materials	\$421 63
Sundry persons, constructing driveways	388 30
New England Telephone & Telegraph Co., trimming trees	29 50
Edison Electric Illuminating Co., trimming trees	30 67
Frank A. Titus, repairing sidewalk	4 51
C. J. Myers, repairing sidewalk	25 10
Simpson Brothers Corporation, use of road roller, etc.	403 80
J. M. Clarke, labor and use of road roller	38 88
Howard E. Wemyss, use of roller	4 00
David W. Lewis Co., bags	3 70
W. H. Snow, ashes	1 05
William Kilmartin, horses	180 00
John McKenna, old iron	55 27
	<hr/>
	\$1,586 41

Stock and labor billed other departments:—

Sewers Construction account, labor	\$120 30
Sewers Maintenance account, shovels	2 30
Sidewalks Construction account, teams	2,444 38
Water Maintenance account, city teams	1,005 47
Highways, Watering Streets account, board of horse	82 10
Highways, Paved Gutters and Crossings account, teams	1,257 98
Sidewalks, Maintenance account, teams	604 39
Suppression of Gypsy and Brown-tail Moths account, teams	308 70
Highways, Shade Trees account, staples	49 85
Highways, Paving Broadway, Bow and Summer streets account, city teams	177 10
Highways Construction account, teams	4,148 62
Health Department, Collection of Ashes and Offal account, city teams	1,143 19
Public Buildings Maintenance, Schoolhouses account, crushed stone	32 47
Public Grounds account, city teams	18 28
	<hr/>
	\$11,395 13

\$71,479 04

DEBIT.

(Expenditures.)

Cash, paid Asa B. Prichard, salary as superintendent of streets	\$1,800 00
disbursements	6 42
Laborers	45,356 91
F. C. Ayer, lumber	271 01
American Express Co., expressing	5 00
	<hr/>
Amount carried forward	\$47,439 34

Amount brought forward	\$47,439 34
Ames Plow Co., tools	58 12
Ashton Valve Co., repairing roller	14 93
T. Allen, repairing concrete	4 00
H. E. Bowman, medicine	5 60
J. A. & W. Bird & Co., roofing	17 55
Jerry Buttimer, stone	235 92
C. E. Berry, repairing steam roller	6 11
Harold L. Bond Co., rakes	9 60
J. A. Barnes, painting stock	4 00
Badger Fire Extinguisher Co., extin- guishers	40 00
Braman, Dow & Co., steam piping valve,	62 99
L. F. Bryant, injector and labor	12 40
Boston & Maine Railroad, freight	14 40
Emma P. Buckley, injury	225 00
J. I. Brooks, horses	250 00
Buffalo Steam Roller Co., grate bars, etc.	30 35
Bruneau & Fletcher, photographs	4 50
Boston Varnish Co., gear finishing	20 00
Cling Surface Co., cling surfaces	14 00
Consumers' Coal Co., coal	1,089 84
Carlisle Ayer Co., windows	3 12
Chandler & Farquhar Co., tools	115 95
T. A. Cunningham, varnish	13 70
Cotter's Express, expressing	15
Charles A. Claflin & Co., belting, etc.	14 37
Edw. Cotty, lawn mower	1 50
William H. Casey & Co., bricks	17 25
Dodge, Haley & Co., shovels	47 25
Dyer Supply Co., shovels	22 50
James F. Davlin, repairing fence	1 50
Davenport, Brown Co., planing	1 16
Denison, Estabrook & Co., brooms	96 00
R. W. Doe, waste barrels	35 75
J. F. Dwyer, stone	236 40
Dunbar Brothers, springs	2 00
Elec. Goods Mfg. Co., fuses	2 75
Thomas Damery, disbursements	4 20
Elms Farm Boarding Stable, board	9 50
Dame, Smith & Co., tools, etc.	43 50
J. H. Edwards, horseshoeing	25
M. W. Dunham, repairing	50
Edson Mfg. Co., repairing sweeper	5 10
J. J. Fisher, pipe	6 40
Farrell Foundry & Machinery Co., toggle bearings	33 40
W. W. Field, repairing crusher	114 26
J. H. Fannon, stone	3 57
Benjamin F. Freeman, photographs	10 50
G. S. Fletcher, photographs	13 50
Frank E. Fitts Mfg. & Supply Co., cans	37 50
Glines & Co., expressing	1 50
Thomas Groom & Co., stationery	44 00
P. Graney, sand	42 75
T. H. Gill & Co., reconstructing Hudson street, etc.	3,061 44
Gilman Express Co., expressing	80
Hale & Mayhew Co., repairing carts	89 15

Amount carried forward \$53,691 82

Amount brought forward	\$53,691 82
Hartford Steam Boiler Inspection and Insurance Co., insurance	90 00
E. J. Hervey & Co., forcite	151 07
Thomas Hollis Co., drugs	24 38
E. C. Hartshorn, photographs	20 30
W. G. Hallöck, brushes	40 50
John W. Harmon, repairing levels	4 75
J. W. Howard, plants	13 75
William H. Hitchings, veterinary services	126 00
Frank Hervey, forcite	11 50
P. Hurley, lamp posts	37 50
Mrs. F. S. Howard, injury to skirt	10 00
Irland Pipe Wrench Co., wrenches	4 00
A. W. Isele & Son, forging	12 00
Lord & Webster, hay and straw	1,356 28
A. C. Libby & Sons, stationery	26 60
William H. Lenox, stone	1 65
George W. Ladd, horseshoeing	3 45
Howard Lowell & Son, use of brake	20 00
W. G. Long, damage to skirt	15 00
Estate of Charles Linehan, sand and gravel	1,604 45
S. H. Lewis, sods and loam	43 71
C. W. Lerner & Co., drugs	7 15
S. & R. J. Lombard, stone	50 21
T. E. Littlefield, strap	3 64
William J. McCarthy, crushed stone	615 31
W. B. Mullen, gravel	97 53
E. Mead, board of horse	64 32
D. A. McKay, salt, etc.	3 78
Morgan & Bond, saddlery supplies	748 48
George McDormand, horseshoeing	8 42
William P. Mitchell, buggy and harness	73 00
William G. Martin, sharpening saws	1 80
Murphy Varnish Co., paint stock	32 50
D. McDonald, repairing harness	5 35
Wesley A. Maynard, advertising	5 00
James McKenna, rods	11 80
G. F. McKenna & Son, loam	54 00
H. D. McGray, sods	4 50
Joseph Miller, covers	22 43
New England Telephone & Telegraph Co., service	73 95
Herbert Nicoll, stone	73 53
North Packing & Provision Co., salt	3 85
New England Oil Co., oil	182 50
National Coal Tar Co., carbonol, etc.	247 08
Osgood & Witherly, castings	15 48
Edw. O'Brien, horseshoeing	111 00
Mrs. O'Keefe, sand	75 00
Fulton O'Brien, hay	1,108 21
Catherine O'Connell, injuries received on Cedar street	162 50
Joseph Palmer, repairing carts	3 50
Pettingell-Andrews Co., electrical supplies	3 54
Proctor Brothers, oats, etc.	2,269 45
Perrin, Seamans & Co., tools, etc.	256 27
Amount carried forward	\$63,703 79

Amount brought forward	\$63,703 79
W. E. Plumer & Co., lanterns	8 50
Priest, Page & Co., shoe for wagon scale,	1 05
J. B. Rufer, horseshoeing	1 50
Roberts Iron Works Co., plates	8 19
Richardson & Brackett, paint stock	21 90
Harley R. Reed, settlement of suit	100 00
T. J. Reardon, casks	5 00
John P. Squire & Co., salt	5 06
T. A. Sallaway, oil, etc.	30 73
E. S. Sparrow & Co., hardware	107 96
Fred Schumacher, stone	15 69
Somerville Journal Co., printing	53 25
Shepard & Harding, hay, etc.	213 18
Somerville Post-office, postage	11 00
Somerville Grain Co., grain	357 52
George H. Sampson & Co., wire	1 60
J. H. Strain Co., sweeper teeth	30 10
Parke Snow, ticking and flannel	1 35
Nathan Tufts & Sons, grain	742 00
Tiffin Wagon Co., cart	107 20
Albion Towle, board of horse	190 11
Underhill Hardware Co., hardware	112 70
C. L. Underhill, repairing cart	75
Union Mercantile Co., steel bars	365 57
Union Glass Co., lantern globes	40 70
Valvoline Oil Co., oil	126 12
Waltham Trap Rock Co., broken stone	2,345 68
B. W. Weeks, salt hay	3 40
I. B. Walker, horseshoeing	11 59
A. M. Wood Co., wagon stock	592 84
Whitney & Snow, hardware	19 96
J. A. Wilson, stone	61 29
Waldo Brothers, cement	33 80
Wheeler, McElveen & Co., horses	550 00
Herbert Wood, filing saws	60
Winchester Tar Disinfectant Co., disin- fectant	10 25
John M. Woods & Co., lumber	76 26
Walworth Mfg. Co., supplies	1 27
I. H. Wiley & Co., gold leaf	15 50
William J. Wiley, hose, etc.	3 76
	<hr/>
	\$70,088 72
Sidewalks Construction account, setting edgestones	100 50
Sidewalks Maintenance account, bricks	63 00
Highways, Paved Gutters and Crossings ac- count, paving blocks, etc.	515 45
Suppression of Gypsy and Brown-tail Moths account, lead and labor	174 50
Highways Construction account, labor, etc.,	99 68
Water Maintenance account, iron pipe	15 45
Sewers Construction account, drainage	391 99
Highways, Paving Broadway, Bow and Summer Streets account, labor	29 75
	<hr/>
	<u>\$71,479 04</u>

Highways, Paved Gutters and Crossings.

CREDIT.

Balance from 1905	\$304 86	
Appropriations, from Funded Debt account, 1906	17,500 00	
Amount transferred from Highways Construction account,	397 53	
	<hr/>	\$18,202 39
Stock and labor billed other departments:—		
Highways Maintenance account, blocks	\$515 45	
Sidewalks Construction account, bricks	28 00	
Highways, Collection of Ashes and Offal account, paving blocks	14 30	
	<hr/>	557 75
		<hr/>
		\$18,760 14
Amount transferred to Highways Construction account . .	8,000 00	
	<hr/>	\$10,760 14

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,871 84	
C. W. Dolloff, paving blocks	561 30	
S. & R. J. Lombard, paving blocks	1,337 48	
Metropolitan Paving Block Co., bricks	253 06	
	<hr/>	\$6,023 68
Highways Maintenance account, use of teams	1,257 98	
Highways Construction account, blocks	2,847 02	
Highways, Paving Broadway, Bow and Summer Streets account, blocks, etc.,	631 46	
	<hr/>	\$10,760 14

Highways, Paving Broadway, Bow and Summer Streets.

CREDIT.

Balance from 1905	\$15,544 17	
Sewers Construction account, amount transferred	1,444 93	
	<hr/>	\$14,099 24
Balance to credit of account, 1907	688 04	
	<hr/>	\$13,411 20
Stock and labor billed other departments:—		
Highways Maintenance account, labor	\$29 75	
Highways, Paved Gutters and Crossings account, blocks	631 46	
	<hr/>	661 21
		<hr/>
		\$14,072 41

DEBIT.

(Expenditures.)

Cash, paid laborers	\$986 77	
William H. Casey & Co., bricks	25 75	
S. & R. J. Lombard, circles	115 44	
	<hr/>	
Amount carried forward	\$1,127 96	

Amount brought forward	\$1,127 96	
Simpson Brothers Corporation, contract,	12,695 73	
Somerville Journal Co., advertising . .	5 00	
	<hr/>	
	\$13,828 69	
Highways Maintenance account, use of city teams	177 10	
Sewers Maintenance account, labor, etc. .	56 62	
Water Maintenance account, use of water .	10 00	
	<hr/>	
		<u>\$14,072 41</u>

Highways, Shade Trees.

CREDIT.

Appropriations, from Funded Debt, 1906	\$500 00	
Amount transferred to Highways Construction account .	83 40	
	<hr/>	
		\$416 60

DEBIT.

(Expenditures.)

Cash, paid laborers	\$198 75	
E. S. Sparrow & Co., hardware	84 00	
Underhill Hardware Co., wire	84 00	
	<hr/>	
	\$366 75	
Highways Maintenance account, use of city teams, and loam	49 85	
	<hr/>	
		<u>\$416 60</u>

Highways, Thorndike Street Subway.

CREDIT.

Balance from 1905	\$34 47	
Amount transferred to Highways Construction account .	34 47	
	<hr/>	
		<u>\$68 94</u>

Highways, Watering Streets.

CREDIT.

Taxes, assessments levied	\$22,309 64	
Excess and Deficiency account, balance transferred . .	5 33	
	<hr/>	
		\$22,314 97

Receipts:—

Cash, received of abutters	\$38 00	
Sundry persons, insuring	66 00	
J. L. & H. K. Potter, old brass	9 00	
	<hr/>	
		113 00
		<hr/>
		\$22,427 97

DEBIT.

(Expenditures.)

Cash, paid laborers	\$1,785 86	
F. C. Ayer, lumber	4 62	
	<hr/>	
Amount carried forward	\$1,790 48	

Amount brought forward	\$1,790 48
Thomas Allen, watering	435 14
American Express Co., expressing	30
Boston Varnish Co., paint and varnish	170 95
William F. Bennett, watering	510 00
Cornelius Bowlby, watering	572 64
Jerry Buttimer, watering	460 64
Timothy F. Crimmings, watering	506 14
George E. Carr, watering	527 14
George E. Carr, horse	100 00
Jackson Caldwell, watering	495 64
John F. Elkins, watering	506 14
James H. Fannon, watering	558 64
Glines & Co., expressing	40
Charles T. Garland, watering	513 14
Thomas Groom & Co., book	14 00
Thomas Hollis Co., soda	1 10
H. M. Hillson & Co., tubes	18 00
J. F. Hause & Co., watering	527 14
Howard Lowell & Son, watering	569 14
William S. Howe, filler	1 75
Jameson Brothers, watering	517 00
J. A. Kiley, repairing cart	50
James F. Manning, watering	527 14
John A. Marsh, watering	611 50
Ellen McAvoy, watering	551 64
Henry J. McAvoy, watering	460 64
George F. McKenna, watering	569 14
Edw. O'Brien, horseshoeing	18 50
George W. Prichard, watering	534 50
Albion M. Prescott, watering	646 50
Mark W. Patten, watering	562 14
J. L. & H. K. Potter, water carts, etc.	1,779 94
Joseph Palmer, repairing carts	41 75
W. E. Plumer & Co., lead	18 75
Richardson & Brackett, varnish	64 50
Thomas F. Reardon, watering	600 64
Albert P. Rockwood, watering	559 00
John B. Rufer & Co., watering	544 64
Charles S. Robertson, insurance	63 00
Mary J. Shean, watering	579 64
Somerville Journal Co., stationery	25 00
David M. Smith, watering	551 64
R. M. Sturtevant, watering	580 00
Suburban Coal Co., watering	437 83
Loena A. Snowman, clerical services	61 33
Eva V. Tukey, clerical services	41 33
Allen Thomas, watering	85 00
F. A. Teele, watering	541 14
James H. Thompson, watering	523 64
Underhill Hardware Co., hardware	7 75
Valentine & Co., varnish	52 50
Thomas Walsh, watering	513 14
A. M. Wood Co., poles	29 20
I. B. Walker, repairing carts	7 55
L. A. Wright, repairing carts	50
Whitney & Snow, turpentine	38 25
Delia Wilson, watering	614 64
Edwin E. Whitehouse, watering	527 79
Amount carried forward	\$22,167 81

Amount brought forward	\$22,167 81	
Highways Maintenance account, teams	82 10	
Water Maintenance account, repairing posts	178 06	
	<hr/>	\$22,427 97

Inspection of Buildings.

CREDIT.

Appropriations, from Taxes, 1906	\$4,100 00	
Excess and Deficiency account, balance transferred	6 53	
	<hr/>	\$4,093 47

Receipts:—

Cash, received of Walter T. Littlefield, plumbers' licenses	\$37 50	
telephone tolls	4 50	
	<hr/>	42 00
		<hr/>
		\$4,135 47

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings	\$1,900 00	
George H. Galpin, assistant to commissioner of public buildings	749 34	
Duncan C. Greene, inspector of plumbing	1,200 00	
Inez M. Felt, clerical services	50 66	
W. A. Greenough & Co., directory	4 00	
Thomas Groom & Co., stationery	5 25	
Wesley A. Maynard, printing	20 00	
New England Telephone & Telegraph Co., service	98 54	
Somerville Journal Co., printing	78 75	
S. Ward Co., stationery	25 23	
Smith-Premier Typewriter Co., supplies,	3 70	
	<hr/>	\$4,135 47

Interest.

CREDIT.

Appropriations, from Taxes, 1906	\$58,000 00	
Excess and Deficiency account, balance transferred	6,628 21	
	<hr/>	\$51,371 79
Amount transferred to Sewer Loan Interest account	400 00	
	<hr/>	\$50,971 79

Receipts:—

Cash, received of sundry persons	\$11,545 88	
(Cash)	02	
	<hr/>	11,545 86
		<hr/>
		\$62,517 65

DEBIT.

(Expenditures.)

Coupons maturing April 1, 1906 . . .	\$3,485 00	
Coupons maturing July 1, 1906 . . .	18,947 50	
Coupons maturing October 1, 1906 . . .	3,327 50	
Coupons maturing January 1, 1907 . . .	16,925 00	
	<hr/>	
	\$42,685 00	
Registered Bonds, interest due January 1, 1907 . . .	1,665 00	
Cash, paid interest on temporary loans:—		
On Note No. 599, ten months, \$50,000 . . .	\$1,666 67	
On Note No. 600, ten months, \$25,000 . . .	833 34	
On Note No. 601, nine months, \$50,000 . . .	1,593 75	
On Note No. 602, six months, \$50,000 . . .	1,100 00	
On Note No. 604, six months, \$50,000 . . .	1,100 00	
On Note No. 605, seven months, \$100,000 . . .	2,502 77	
On Note No. 606, six months, \$25,000 . . .	550 00	
On Note No. 607, three months, \$25,000 . . .	300 78	
On Notes Nos. 608-611, ten months, \$25,000 each . . .	3,825 34	
On Note No. 616, four months, \$50,000 . . .	187 50	
On Note No. 595, seven months, \$100,000 . . .	1,926 25	
On Note No. 596, nine months, \$100,000 . . .	900 00	
On Note No. 597, nine months, \$100,000 . . .	900 00	
On Note No. 598, five months, \$50,000 . . .	781 25	
	<hr/>	
	\$18,167 65	
	<hr/>	
		<u>\$62,517 65</u>

Metered Water Charges.

CREDIT.

Water Works Income account, abatements . . .	\$5 10
Receipts:—	
Cash, received of sundry water takers . . .	19,178 99
Balance to credit of account, 1907 . . .	26,272 58
	<hr/>
	\$45,456 67

DEBIT.

Balance from 1905 . . .	\$19,184 09
Last quarter, 1906, uncollected . . .	26,272 58
	<hr/>
	<u>\$45,456 67</u>

Military Aid.

CREDIT.

Appropriations, from Taxes, 1906	\$1,000 00
Excess and Deficiency account, balance transferred	111 50

 \$888 50

Receipts:—

Commonwealth of Massachusetts	888 50
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 \$1,777 00

DEBIT.

(Expenditures.)

Cash, paid sundry persons, as per pay rolls,	\$1,774 00
Webcowit Press, cards	3 00

 \$1,777 00
Overlay and Abatement.

CREDIT.

Balance from 1905	\$2,546 09
Taxes, amount of overlay from assessors' warrant	16,775 69
Amount of assessors' supplementary warrants, 1906	4,822 66

 \$24,144 44

Balance to credit of account, 1907	9,008 11
--	----------

 \$15,136 33

DEBIT.

Taxes, amount of abatements	\$15,150 53
(Cash)	160 35

 \$14,990 18

Cash, paid sundry persons, money refunded,	146 15
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 \$15,136 33
Overplus on Tax Sales.

CREDIT.

Balance from 1905	\$118 13
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DEBIT.

Balance to credit of account, 1907	\$118 13
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Police.

CREDIT.

Appropriations, from Taxes, 1906	\$41,600 00
Excess and Deficiency account, balance transferred	5,262 08

 \$46,862 08

Receipts:—

Commonwealth of Massachusetts, corporation tax, 1905	\$1,686 65
Commonwealth of Massachusetts, national bank tax, 1905	33 83

 Amounts carried forward \$1,720 48 \$46,862 08

Amounts brought forward	\$1,720 48	\$46,862 08
Commonwealth of Massachusetts, corpora- tion tax, 1906	22,718 27	
Commonwealth of Massachusetts, national bank tax, 1906	3,306 16	
		27,744 91
Due from Commonwealth on account of corporation tax .		2,803 54
Cash, received of John R. Fairbairn, Mas- ter of House of Correction, fines	\$595 00	
Herbert A. Chapin, Clerk of the Courts, fines	3,245 00	
Sundry persons, cloth for uniforms	915 00	
City of Boston, officers at primaries	147 00	
Boston Elevated Railway Co., police ser- vices	75 00	
Tufts College, police services	41 25	
		5,018 25
		<u>\$82,428 78</u>

DEBIT.

(Expenditures.)

Cash, paid Melville C. Parkhurst, chief	\$1,900 00
lock-up keeper	100 00
Robert R. Perry, captain	1,500 00
Lieutenants:—	
Dennis Kelley	1,350 00
Eugene Carter	1,350 00
Charles E. Woodman	1,350 00
Sergeants:—	
Edward McGarr	1,200 00
George H. Carleton	1,200 00
Eugene H. Gammon	1,176 90
James M. Harmon	1,200 00
Inspector:—	
Thomas Damery	1,150 00
Patrolmen (salaries and extra services):—	
John E. Fuller	273 00
Edward M. Carter	1,092 00
George L. Smith	1,092 00
Francis A. Perkins	1,087 25
William H. Johnston	1,029 25
Jacob W. Skinner	1,095 75
Theodore E. Heron	1,083 00
David A. Bolton	1,097 00
Michael T. Kennedy	1,083 25
Ira S. Carleton	1,099 00
Charles W. Stevens	1,092 00
Ezra A. Dodge	1,092 00
James J. Pollard	1,086 00
Daniel G. Simons	1,105 75
Samuel Burns	1,089 25
Frederick H. Googins	1,086 50
Jotham Chisholm	1,100 75
William J. Davidson	1,089 00
Elmer E. Drew	1,080 00
John A. Dadmun	1,041 25
Eugene A. Woodsum	1,085 00
George L. Rice	1,077 25
Amount carried forward	<u>\$36,533 15</u>

Amount brought forward	\$36,533 15
Myron S. Gott	1,106 50
John A. Ray	1,089 00
Herbert Hilton	1,098 25
Charles W. Reick	1,095 25
Charles E. Byrnes	237 00
Frank C. Hopkins	1,071 00
Charles W. Allen	1,097 00
Hudson M. Howe	1,103 25
Frank J. Balcom	511 50
Ernest S. Goff	1,095 25
Sanford S. Lewis	1,095 75
Frank H. Graves	1,061 00
Henry A. Sudbey	1,094 50
Harry L. Allen	1,100 25
Harvey R. Fuller	1,077 75
William J. Sutherland	1,088 00
Thomas F. McNamara	1,052 00
Louis F. Arnold	1,076 75
Charles S. Johnston	1,074 75
James M. Lynch	980 50
Martin Sharry	999 25
Henry Y. Gilson	979 00
Robert T. Blair	910 00
Ernest Howard	908 75
George A. C. Peters	905 00
Lemuel J. Simons	910 00
Edmund J. Keane	921 75
Claude L. Crossman	940 00
Dennis Neylon	936 25
John J. Cummings	928 75
Dennis Downey	928 33
Edward M. Davies	933 75
James E. Phillips	813 75
Reserve patrolmen:—	
David J. Hannah	757 50
Dennis G. Mulqueeney	715 83
Walter Reed	616 25
Louis J. Belzarini	524 00
Patrick J. Doolin	595 00
Joseph J. Burns	557 50
Edward J. Hopkins	543 75
William G. Kenney	492 75
Walter L. Groves	377 50
Interpreters:—	
Amedis Dente	21 00
Vincent Marino	24 00
Drivers:—	
Judson M. Oliver	910 00
Edward E. Ware	823 50
Frederick G. Jones	814 50
Martin E. Driscoll	101 25
Retired list (half pay):—	
George W. Bean	546 00
Phineas W. Skinner	546 00
Albion L. Staples	546 00
John E. Fuller	409 50
On public grounds:—	
Edw. M. Cutler	2 50
Amount carried forward	\$78,677 31

Amount brought forward	\$78,677 31
Robert C. Brown	15 00
John H. Kelley	10 00
Joseph A. Dwyer	15 00
Frank O. Downer	7 50
Peter Moore	7 50
George M. Winters	7 50
John H. Cuddy	5 00
Theron H. Kinsley	5 00
Sundry persons, special services at polls, .	140 00
Minnie Woodland, matron	232 50
American Towel Supply Co., towels	48 00
Allen Brothers, badges	19 60
Auto. List Pub. Co., automobile list	1 00
Harry L. Allen, medical treatment	123 26
American Express Co., expressing	3 30
Henry Barrett, photographs	96 00
C. M. Blake, newspapers	14 80
J. H. Brooks, blankets	11 90
D. J. Bennett, harness work	26 10
L. H. Brown, carriage hire	7 50
Eugene A. Carter, disbursements	123 50
George H. Carleton, disbursements	18 36
Allan Coughlan, wagon repairs	29 95
George E. Carr, use of horse	40 50
Thomas Damery, disbursements	130 10
Charles W. Daily, Corp., use of am- bulance	10 00
Davenport-Brown Co., lumber	8 58
Fresh Pond Ice Co., ice	53 35
Benjamin F. Freeman, photographs	9 00
Globe-Wernicke Co., cards	43 15
Glines & Co., expressing	1 20
Golding Mfg. Co., roller	60
W. A. Greenough & Co., directory	4 00
F. W. Hopkins, committing prisoners	68 42
Hobbs & Warren Co., stationery	64 80
Little, Brown & Co., law books	2 25
W. S. Howe, fittings	1 97
Franklin C. Hopkins, disbursements	6 90
Iver Johnson Co., revolvers	131 66
E. S. Jewell, labor on dog pound	6 75
William H. Johnston, disbursements	2 25
Dennis Kelley, disbursements	21 59
Lord & Webster, hay and straw	47 27
H. Lowell & Son, carriage hire	8 00
Little, Brown & Co., law books	4 50
M. Linsky & Brothers, pant stripes	34 50
Little's Express, use of horse	27 00
Frank W. Leavitt, use of wagon	22 50
R. Masstrangialo, equipments	143 15
Mary McEachern, feeding prisoners	47 50
Wesley A. Maynard, printing	3 50
New England Telephone & Telegraph Co., service	208 70
Neostyle Co., supplies	7 05
New York Pasteur Institute, medical treatment	106 50
Fulton O'Brien, hay and straw	63 87
Proctor Brothers, grain	60 61
Amount carried forward	\$81,037 30

Amount brought forward	\$81,037 30	
C. H. Paine, condition powders	2 00	
G. Frederick Parker, rent of stable	16 00	
Perham's Express, expressing	1 25	
Ira L. Roberts, horseshoeing	97 25	
A. P. Rockwood, carriage hire	8 00	
F. E. Rollins, stenographer	76 05	
Robert Carleton Co., repairing harness	45 00	
Somerville Journal Co., printing	47 50	
Shepard & Harding, hay	8 60	
S. Slater & Sons, cloth for uniforms	671 46	
Scoville Mfg. Co., buttons	54 00	
Lemuel Snow, disbursements	11 50	
M. E. Sturtevant, committing prisoners,	3 15	
The Frank Shepard Co., law books	1 00	
John R. Thompson, repairing wagon	75	
Idella A. Taylor, washing	48 56	
Nathan Tufts & Sons, grain	32 21	
Thorpe's Express, expressing	1 80	
Thomas W. Talcott, cloth	4 13	
Underwood Typewriter Co., typewriter	103 25	
M. L. Vinal, stationery	5 55	
Whitney & Snow, hardware	54 87	
Charles Waugh, storm boot ambulance	6 00	
John M. Winters, disbursements	9 50	
H. Wood, keys	1 00	
George M. Winters, expenses	20 00	
Yawman Erbe Mfg. Co., card index	61 10	
		<u>\$82,428 78</u>

Printing and Stationery (Public Documents and Stationery for the Board of Aldermen).

CREDIT.

Appropriations, from Taxes, 1906	\$2,100 00
Excess and Deficiency account, balance transferred	393 91
	<u>\$1,706 09</u>

DEBIT.

Cash, paid Somerville Journal Co., printing	\$1,652 09
annual reports, etc.	13 50
Wesley A. Maynard, printing	36 50
The Webcowit Press, printing	4 00
Somerville Post-office, postage	
	<u>\$1,706 09</u>

Property and Debt Balance.

CREDIT.

Balance from 1905	\$2,391,675 72
Public Property, property acquired in 1906	1,242,987 20
Funded Debt, bonds matured	145,500 00
	<u>\$3,780,162 92</u>

DEBIT.

Funded Debt, issue of 1906	\$100,000 00
Balance to credit of account, 1907	3,680,162 92
	<u>\$3,780,162 92</u>

**Public Buildings Construction, Contagious
Disease Hospital.**

CREDIT.

Balance from 1905	\$3,012 53
Amount transferred to Highways Construction account	6 24
	<hr/>
	\$3,006 29

DEBIT.

Cash, paid C. Bowen, boiler fixtures	\$7 87
John F. Foster, boiler sections	162 50
Laskey, Whitten & Jackson, heating system	707 00
William Leavens & Co., furniture	114 91
McLean Brothers, contract	1,124 01
E. S. Sparrow & Co., hardware	150 00
James Wilkinson & Co., installing light- ing fixtures	215 00
William J. Wiley, plumbing	405 00
Walsh Brothers, contract	120 00
	<hr/>
	\$3,006 29

Public Buildings Construction, High School Building.

CREDIT.

Balance from 1905	\$23,462 56
Appropriations, from Funded Debt, 1906	15,000 00
	<hr/>
	\$38,462 56

Amounts transferred and unused:—

Highways Construction account, amount transferred	\$5 24
Public Buildings Construction, Sanitary Systems in Bell, Bingham, and Edgerly Schools	4,000 00
	<hr/>
	4,005 24
	<hr/>
	\$34,457 32

DEBIT.

Cash, paid Andrews & Andrews, covering flue	\$75 00
F. C. Alexander, contract	24,154 40
Armstrong Brothers, contract	1,492 00
American Seating Co., furniture	990 00
L. T. Allen, shades, etc.	118 15
A. W. Berry, carpentering	388 87
Jackson Caldwell & Co., furniture	371 00
Timothy F. Crinnings, teaming	35 00
J. J. Hurley & Co., contract	4,752 09
House Cleaning Co., cleaning	35 00
Knott & Co., electric fixtures	227 75
Charles A. Kelley, building sewer	305 10
B. L. Makepeace, blue prints	6 98
Edwin B. Price, setting up furniture	90 00
Paragon Metal Weather Strip Co., weather strips, etc.	320 00
Charles A. Rounds, electric work	623 00
	<hr/>
Amount carried forward	\$33,984 34

Amount brought forward	\$33,984 34	
E. S. Sparrow & Co., hardware . .	365 00	
A. A. Sanborn, steamfitting . . .	72 01	
Wadsworth, Howland & Co., paper .	2 00	
	<hr/>	
	\$34,423 35	
Sewers Construction account, building		
drain	33 97	
	<hr/>	
		<u>\$34,457 32</u>

**Public Buildings Construction, Luther V. Bell School
Fire Escapes.**

CREDIT.

Balance from 1905	\$734 81
Balance to credit of account, 1907	59 30
	<hr/>
	\$675 51

DEBIT.

(Expenditures.)

Cash, paid Lombard Fire Proofing Co., contract	\$660 00	
Whitney & Snow, hardware	15 51	
	<hr/>	
		<u>\$675 51</u>

**Public Buildings Construction, Sanitary Systems in
Bell, Bingham and Edgerly Schools.**

CREDIT.

Amount transferred from Public Buildings Construction, High School Building account	\$4,000 00
Amount transferred from Highways Construction account, Receipts:—	975 93
Cash, received of Walter T. Littlefield, old iron . . .	10 15
	<hr/>
	\$4,986 08

DEBIT.

Cash, paid J. M. Andrews & Son, carpenter- ing	\$92 91	
Armstrong Brothers, contract	1,395 41	
Timothy F. Crimmings, teaming . . .	73 00	
Charles W. Cahalan, contract	726 65	
Arthur C. Gordon, painting	87 80	
W. J. Fermoye, painting, etc.	25 67	
E. Horne, masonry	210 90	
Edgar O. Hunt, contract	1,260 00	
J. E. Locatelli & Co., masonry	104 75	
B. L. Makepeace, blue prints	1 30	
Edwin B. Price, labor	35 00	
John Stackpole, carpentering	501 89	
Walsh Brothers, masonry	402 55	
George H. Wickes & Son, painting . .	68 25	
	<hr/>	
		<u>\$4,986 08</u>

Public Buildings Maintenance, City Buildings.

CREDIT.

Appropriations, from Taxes, 1906	\$11,000 00
Excess and Deficiency account, balance transferred	1,996 70

 \$12,996 70

Receipts:—

Cash, received of J. O. Hayden, County Treasurer, rent of court room	\$600 00	
Thomas Ormond, rent	120 00	
Arthur Murlev, rent	120 00	
E. M. Silsby, shed at rifle range	15 00	
Walter T. Littlefield, old carpet	50	
		<hr/>
		855 50
		<hr/>
		\$13,852 20

DEBIT.

Cash, paid Ashton Valve Co., valve	\$17 55
Allen, Totman Co., umbrella stand	4 00
L. T. Allen, shades and fixtures	47 00
F. C. Ayer, lumber	24 31
American Express Co., expressing	2 65
Armour & Co., soap	3 50
James Bartley, soap and matches	4 42
G. W. Bent & Co., beds and bedding	371 25
Bernstein Mfg. Co., furniture	158 00
Arthur W. Berry, shingling houses	566 64
J. A. & W. Bird & Co., roofing	11 70
D. P. Bucknam, masonry	46 32
Patrick Bowdren, work on lawn	1 25
William H. Brine, brushes, combs, etc.,	4 65
J. Caldwell & Co., furniture	108 21
Cambridge Gas Light Co., gas	445 37
Cambridge Ice Co., ice	83 05
Consumers' Coal Co., coal	2,197 54
Co-tar-o Remedy Co., disinfectant	7 50
L. E. Clayton, cheese cloth	75
C. W. Cahalan, plumbing	9 35
W. W. Calkin, carpentering	57 32
Continental Grate Co., bars for grate	24 84
Crosby Steam Gage & Valve Co., repair- ing gage	3 75
James F. Davlin, plumbing	4 09
Derby Desk Co., desk and repairing	40 85
Davenport-Brown Co., ash cans	52 96
G. M. Davis & Son, masonry	196 89
J. A. Durell, plumbing	3 35
John Ducey, cleaning carpets, etc.	35 95
Thomas Dowd, masonry	73 00
Edison Electric Illuminating Co., light- ing	1,975 08
Electric Goods Mfg. Co., supplies	26 45
F. W. Farrar, repairing clocks	7 50
W. J. Fermoye, painting	21 95
F. E. Fitts Mfg. Co., ash cans	13 50
W. F. Flemming, chair seats	2 50

 Amount carried forward \$6,654 99

Amount brought forward	\$6,654 99
Farley, Harvey & Co., bedding and dry goods	181 34
J. J. Fisher, plumbing	8 28
G. M. Fortin, glass	1 00
Franklin Rubber Co., matting	25 00
Seth W. Fuller Co., heaters	12 00
Fred W. Farrar, repairing clock	3 00
I. G. Felt, laundry	24 83
Gas Consumers' Association, gas regulation	20 00
Arthur C. Gordon, glazing	4 00
Glines & Co., expressing	11 23
Jim Hodder & Brothers, towels	8 10
E. Horne, masonry	5 60
Norman C. Hayner Co., oil	44 70
William S. Howe, plumbing	27 78
Hight & Merrill, rods	12 80
J. F. Hanshue, screens	19 08
Frank O. Johnson, plumbing	5 00
Jones, McDuffee & Stratton, dishes	96 18
Jordan, Marsh Co., sewing machine	19 00
John Kennedy, masonry	21 11
John H. Kelley, brush handle	8 75
James Kenney, carpentering	61 00
Kinnear & Gager Co., erecting metal ceiling	46 00
William Leavens & Co., furniture	182 67
T. E. Littlefield, lumber	181 27
Howard Lowell & Son, desk	15 00
Laskey, Whitten & Jackson, steam supplies	20 57
Library Bureau, tray case	25 00
Lumsden & Van Stone Co., gaskets	7 92
McLean Brothers, carpentering	1,620 05
C. F. Mills, carpentering	214 04
George W. Manning, work on flagstaff	7 75
William J. McCarthy, teaming	76 50
Thomas McNee, repairing roof	26 00
M. A. Mann, laundering	8 00
J. Edward L. McLean, contract carpentering	812 79
G. F. McKenna, teaming	1 00
Robert Miller & Co., awnings	44 00
C. W. H. Moulton & Co., ladders	7 20
Morris-Ireland Safe Co., repairing safe	12 00
Pittsburg Plate Glass Co., glass	9 95
W. E. Plumer & Co., hardware	53 95
Pettingell-Andrews Co., electrical supplies	22 98
William H. Page Boiler Co., radiator section	1 30
Pullman Automatic Ventilator Co., ventilators	52 00
Perham's Express, expressing	30
George B. Robbins & Co., disinfectant	15 00
G. D. B. Robinson, carpentering	9 45
George L. Robinson, painting and glazing	196 15
Amount carried forward	<hr/> \$10,943 61

Amount brought forward	\$10,943 61	
Fred R. Rogers, furniture	15 75	
Roberts Iron Works Co., bolt	75	
John B. Rufer, bolts and washer	4 00	
E. S. Sparrow & Co., hardware	97 94	
A. A. Sanborn, tools	339 85	
Smith-Premier Typewriter Co., chair, etc.	16 65	
J. C. H. Snow, carpentering	322 59	
Somerville Furniture Repairers, repair- ing	2 75	
John Stackpole, carpentering	56 54	
Simpson Brothers Corporation, laying floor	75 00	
C. A. Southwick, extra services	31 00	
Thorpe's Express, expressing	1 50	
Harris P. Tibbetts, carpentering	4 50	
Benjamin R. Twombly, painting	298 05	
Frank A. Teele, wood	3 25	
C. L. Underhill, fittings	3 07	
Underhill Hardware Co., hardware	38 13	
Wadsworth, Howland & Co., paints and brushes	94 85	
William J. Wiley, plumbing	692 51	
John M. Woods & Co., lumber	41 81	
Walsh Brothers, concreting	119 01	
Whitney & Snow, hardware	46 34	
H. Wood, making keys	12 50	
G. A. Walker, steel ceiling	11 95	
James Wilkinson & Co., work on ceiling, Mrs. A. I. Wood, repairing flag	234 19	
Henry A. Wheeler & Co., awnings, etc., H. G. White, electrical work	2 00	
A. J. Wilkinson & Co., tools	107 79	
Wellington-Wild Coal Co., coal	79 63	
Asahel Wheeler Co., paint	1 25	
Mrs. Mary J. Whitney, repairing flag . .	114 09	
	7 50	
	4 00	
	<hr/>	
	\$13,824 35	
Sewers Maintenance account, repairing sewer building	24 85	
Water Maintenance account, repairing stop, etc.	3 00	
	<hr/>	
		\$13,852 20

Public Buildings Maintenance, Fire Department.**CREDIT.**

Amount transferred from Excess and Deficiency account,	\$5,496 14
Excess and Deficiency account, balance transferred	1,070 14
	<hr/>
	\$4,426 00

DEBIT.

Cash, paid F. C. Ayer, lumber	\$117 44
Armstrong Brothers, plumbing	14 50
F. C. Alexander, masonry	21 50
Charles E. Berry, work on stalls, etc. . .	34 65
G. W. Bent & Co., bedding	29 25
	<hr/>
Amount carried forward	\$217 34

Amount brought forward	\$217 34
Patrick Bowdren, work on lawn	7 51
D. P. Bucknam, whitewashing	20 25
J. A. Bremner, painting, etc.	200 00
John P. Burke, masonry	38 84
J. Caldwell & Co., furniture	111 35
Cambridge Gas Light Co., gas	80 91
Charlestown Gas & Electric Co., gas	78 27
Isaac Coffin & Co., pipe, etc.	5 65
Consumers' Coal Co., coal	1,162 34
C. W. Cahalan, plumbing	7 74
J. A. Durell, plumbing	14 39
Davenport-Brown Co., lumber	25 02
Thomas F. Dowd, plastering	117 00
Alexander Duncan Co., repairing boiler, Edison Electric Illuminating Co., lighting	16 25
William F. Eccles, making mattress	817 22
Electric Goods Mfg. Co., supplies	6 00
J. J. Fisher, steamfitting	4 80
J. Rush Green, lumber	98 85
William S. Howe, tin and nails	28 92
Highland Coal Co., lime	12 12
Charles H. M. Hunnewell, plumbing	1 15
George Hepburn Screen Co., screens	6 25
E. Horne, masonry	16 80
Frank O. Johnson, plumbing	28 65
John Kennedy, masonry	19 99
John H. Kelley, steamfitting	80 00
T. E. Littlefield, lumber	17 25
Charles F. Mills, carpentering	4 36
G. F. McKenna, teaming	172 05
Thomas McNee, repairing roof	2 00
James W. O'Neil, plumbing	8 98
Pittsburg Plate Glass Co., glass	22 38
W. E. Plumer & Co., hardware	2 01
Pettingell-Andrews Co., electrical supplies	4 76
George L. Robinson, painting	69
John B. Rufer, blacksmith work	111 20
G. D. B. Robinson, laying floor	30
Fred R. Rogers, chairs	10 65
W. P. Rice, lumber	10 50
E. S. Sparrow & Co., hardware	4 56
W. A. Snow Iron Works, floors	33 81
John Stackpole, carpentering	39 00
Frank A. Teele, wood	91 28
Underhill Hardware Co., hardware	36 00
Wellington-Wild Coal Co., coal	10 30
John M. Woods & Co., lumber	261 60
Whitney & Snow, hardware	101 38
William J. Wiley, plumbing	6 79
Wadsworth, Howland & Co., paint, etc., L. A. Wright, repairing	25 96
Wallberg & Woehrn, painting	21 33
William P. Young, repairing stoves, etc., Asahel Wheeler Co., oil, paint, etc.	2 00
	90 00
	75 75
	14 29

\$4,404 79

Sidewalk Assessments account, sidewalk assessment

21 21

\$4,426 00

Public Buildings Maintenance, Janitors' Salaries.

CREDIT.

Appropriations, from Taxes, 1906	\$27,000 00
Excess and Deficiency account, balance transferred	1,149 57
	<hr/>
	\$28,149 57

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$28,149 57
	<hr/>

Public Buildings Maintenance, Schoolhouses.

CREDIT.

Appropriations, from Taxes, 1906	\$27,700 00
Excess and Deficiency account, balance transferred	4,639 54
	<hr/>
	\$32,339 54

Receipts:—

Cash, received of Walter T. Littlefield,		
telephone tolls	\$28 06	
old brass, etc.	24 11	
Cambridge Gas Light Co., gas	1 80	
Henry B. Sellon, gas	31 31	
P. A. Harrison, use of schoolroom	1 00	
S. Henry O. Hadley, use of schoolroom,	13 50	
F. S. Deane, use of schoolroom	1 00	
Edith Northrup, use of schoolroom	1 00	
Frederick Lynch, breaking glass	1 50	
Lawrence Winship, damage to chair	75	
Joseph Cotter, old iron	20 00	
John F. Thompson, rent	1 00	
	<hr/>	125 03
School Contingent account, telephone tolls		6 93
		<hr/>
		\$32,471 50

DEBIT.

(Expenditures.)

Cash, paid Allen, Totman & Co., umbrella	
racks	\$40 00
F. C. Ayer, lumber	113 90
John H. Adcock, plumbing	151 02
Edwin Adler, cleaning	20 00
Armour & Co., washing powder	28 41
Ashton Valve Co., valve	13 60
American Express Co., expressing	50
American School Furniture Co., fur-	
niture	21 50
Armstrong Brothers, plumbing	115 98
F. C. Alexander, carpentry and masonry,	166 13
P. Bowdren, care of lawns	216 27
J. A. Bremner & Co., tinting walls	15 00
D. P. Bucknam, masonry, etc.	506 14
Bay State Belting Co., belting	97
Blodgett Clock Co., repairing clocks	7 70
	<hr/>
Amount carried forward	\$1,417 12

Amount brought forward	\$1,417 12
R. C. Burckes, setting glass	13 40
J. F. Berton, painting and whitewashing,	25 00
Boston Feather Duster Co., feather dusters	47 00
Boston Varnish Co., varnish	48 00
Patrick Burke, work on lawns	58 00
Baker School Specialty Co., repairing blackboards	172 89
W. P. Brown & Co., plumbing	34 97
William H. Brine, flags	22 50
D. J. Bennett, strap	1 25
C. W. Cahalan, plumbing	90 85
Jackson Caldwell & Co., furniture	150 10
Cambridge Gas Light Co., gas	699 32
Charlestown Gas & Electric Co., gas	566 74
Isaac Coffin & Co., fittings	25 58
John Conrad & Co., brooms	13 88
Consumers' Coal Co., coal	12,091 49
David R. Craig, post lamps	75 00
Cunningham Iron Co., repair- ing boiler	\$11 10
(Cash)	10 10
	<hr/>
	1 00
T. A. Cunningham, brushes	4 40
W. W. Calkin, setting glass	132 43
Edwin Connell, plumbing	24 06
H. W. Covell, plumbing	41 75
Cotter's Express, expressing	4 35
Cutler-Marshall Co., painting	106 43
James H. Chase, carpentering	27 90
E. J. Cunningham, plumbing	100 05
Frederic R. Cutter, repairing clocks	17 50
Continental Grate Co., furnace supplies	8 16
E. J. Cunningham & Co., plumbing	45 70
Martin E. Driscoll, painting	82 50
J. A. Durell, plumbing	57 93
John Ducey, making rugs	25 33
James F. Davlin, plumbing	199 20
Herbert I. Dallman & Co., polish	12 50
Davenport-Brown Co., lumber	10 12
Dallman & Moore, polish	85 00
Alexander Duncan & Co., steamfitting	49 10
R. W. Doe, steam supplies	1 50
Thomas F. Dowd, masonry	24 60
Thomas Dowd, plastering	125 00
Edison Electric Illuminating Co., light- ing	1,572 84
Electric Goods Mfg. Co., supplies	6 17
William F. Eccles, leatherette chairs, etc.	23 45
Franks G. Evatt, repairing tile	8 00
Fred W. Farrar, repairing clocks	36 00
W. J. Fermoye, painting	179 76
F. E. Fitts Mfg. Co., ash cans	40 50
J. H. Fannon, concreting	452 20
Ernest F. Flagg, painting, etc.	200 00
C. C. Folsom, disbursements	16 59
Gas Consumers' Association, regulation,	36 00
	<hr/>
Amount carried forward	\$19,311 11

Amount brought forward	\$19,311 11
Gilman's Express Co., expressing	1 35
Glines & Co., expressing	5 23
A. C. Gordon, painting	102 00
Gibson Soap Co., polish	7 50
James Heggie, grading and sodding	5 25
Hemeon Brothers, carpentering	138 94
Hodge Boiler Works, door linings	3 04
William S. Howe, repairing	326 11
R. Hull, oil	42 45
Charles H. M. Hunnewell, plumbing	264 52
J. J. Hurley & Co., steamfitting	123 68
Norman C. Hayner Co., oil	22 50
Wesley B. Higgins, carpentering	2 00
S. D. Hicks & Son, conductors	408 00
John Harrington, stone	4 00
Hartford Steam Boiler Inspection and Insurance Co., insurance	792 73
Highland Coal Co., coal	2 70
W. G. Hallock, brushes	68 00
George L. Janvrin, repairing clocks	10 50
F. O. Johnson, plumbing	131 12
H. James & Son, soap	4 50
Johnson Service Co., steamfitting	31 87
Knight & Thomas, Inc., fire extinguishers	84 00
Knox & Co., kalsomining	46 00
John H. Kelley, repairing radiator	159 50
Kenney Brothers & Wolkins, furniture	454 41
E. F. King & Co., soda ash	15 45
Knowles Steam Pump Works, repairing pump	15 30
Louis G. Keane, cleaning	8 76
John J. Kelley, repairing radiators	15 50
John Kennedy, masonry	472 12
James Kenney, repairing furniture	198 03
Laskey, Whitten & Jackson, steamfitting	6 29
J. E. Locatelli & Co., carpentering	177 25
Howard Lowell & Son, board of horses,	359 99
G. W. Ladd, rakes	2 75
S. P. Larsen, repairing roof	7 05
T. E. Littlefield, lumber	8 34
C. W. Lerner & Co., disinfectant	16 20
S. H. Lewis, loam	19 00
W. T. Littlefield, disbursements	9 20
David W. Lewis Co., furnace supplies	97
Lumsden & Van Stone Co., gaskets	78 98
George W. Manning, work on flagstaff	128 90
George McDormand, horseshoeing	18 75
G. F. McKenna & Son, teaming	209 00
Thomas McNee, repairing roof	294 82
C. F. Mills, carpentering	473 04
Murphy, Leavens & Co., feather dusters,	113 36
A. M. Morton & Co., steam supplies	37 62
William J. McCarthy, teaming	76 75
C. W. H. Moulton & Co., steps	15 10
J. Edward L. McLean, tables and carpentering	288 08
A. F. McMillan, repairing furnace	83 16
Amount carried forward	<hr/> \$25,702 77

Amount brought forward	\$25,702 77
C. A. Meserve, tinting walls and ceilings,	160 00
John J. McCarthy, fuel	42 00
Daniel McIntire, gardening	5 00
New England Telephone & Telegraph Co., service	394 04
George W. Norton, soap powder	15 00
New England Oil Co., oil	2 15
James W. O'Neil, plumbing	66 56
Orient Mfg. Co., disinfectant	95 62
J. F. O'Brien, work on boiler	4 00
D. O'Connell, painting	10 00
L. A. Penney, carpentering	85 80
Pittsburg Plate Glass Co., glass	77 04
W. E. Plumer & Co., hardware	184 43
Pettingell-Andrews Co., electrical sup- plies	21 36
Perham's Express, expressing	1 80
Penn Metal Ceiling and Roofing Co., supplies	10 83
J. B. Rufer, iron work	4 50
George L. Robinson, labor	290 50
W. P. Rice, lumber	2 74
Roberts Iron Works Co., repairing boilers	296 70
F. M. Rogers, painting, etc.	704 24
Fred R. Rogers, mirror	3 00
A. G. Renner, teaming	1 00
Simpson Brothers Corporation, laying granolithic walks	180 50
E. S. Sparrow & Co., hardware	289 52
P. Sutherland & Co., oil	39 50
T. A. Sallaway, hardware	18 88
A. A. Sanborn, steamfitting	42 53
Somerville Furniture Repairers, uphol- stering	10 00
C. E. Stephenson, repairing clock	4 50
Somerville Iron Foundry, castings	1 00
Solshine Mfg. Co., polish	21 60
John Stackpole, carpentering	192 48
Thomas C. Sweeney, plumbing	1 05
F. E. Seavey, repairing roof	106 48
J. A. Stevens, painting	25 61
B. F. Sturtevant Co., inspecting boiler	3 70
Frank A. Teele, wood	142 90
Benjamin R. Twombly, painting	46 20
Harris P. Tibbetts, carpentering	119 50
Underhill Hardware Co., hardware	336 40
Union Soapstone Co., labor	13 15
C. L. Underhill, tools, etc.	21 45
D. W. Webster, repairing chair, etc.	67 05
George A. Weld, repairing regulator	23 55
Whitney & Snow, hardware	185 72
William J. Wiley, hardware	93 00
H. W. Waite & Co., disinfectant	53 00
G. A. Walker, whitening, etc.	249 00
G. A. Walker Machine Co., repairing valve	1 72
Walsh Brothers, repairing floors	267 65
H. Wood, repairing locks	21 45

Amount carried forward \$30,760 17

Amount brought forward	\$30,760 17	
Mrs. A. I. Wood, repairing flag . . .	1 00	
John P. Wahlstrom, painting	72 15	
Henry A. Wheeler & Co., ensigns . . .	51 63	
A. J. Wilkinson & Co., tools	1 65	
Wadsworth, Howland & Co., paint, etc.,	83 45	
West Disinfectant Co., disinfectant . .	17 50	
H. G. White, electric work	19 65	
Wellington-Wild Coal Co., coal	1,018 83	
Mary J. Whitney, mending flag	9 00	
Waldo Brothers, masonry	163 00	
Asahel Wheeler Co., varnish	32 65	
John Weingartner, varnish	10 00	
George H. Wickes & Son, tinting ceiling	94 25	
John M. Woods & Co., wood	15 54	
	<hr/>	
	\$32,350 47	
Highways Maintenance account, crushed stone	32 47	
Highway Betterment Assessments, assess- ment on Josephine avenue	57 17	
Sewers Construction account, building catch basin	23 25	
Water Maintenance account, repairing leak.	8 14	
	<hr/>	
		<u>\$32,471 50</u>

Public Library.

CREDIT.

Appropriations, from Taxes, 1906	\$14,500 00	
Excess and Deficiency account, balance transferred . . .	16 98	
	<hr/>	
		\$14,483 02
Receipts:—		
Cash, received of the city for dog licenses in 1905 \$1,376 83		
(Cash)	10 00	
	<hr/>	
	\$4,386 83	
Sam Walter Foss, librarian	711 64	
books, etc. . . .	134 61	
	<hr/>	
		5,233 08
School Contingent account, property lost	6 99	
	<hr/>	
		\$19,723 09

DEBIT.

(Expenditures.)

Cash, paid Sam Walter Foss, salary as librarian	\$2,500 00	
Adele Smith, assistant librarian	566 61	
Florence D. Hurter, assistant librarian . .	549 98	
Esther Mayhew, cataloguer	600 00	
Edith B. Hayes, assistant cataloguer . .	500 00	
Anna L. Stone, assistant	549 96	
Mabel E. Bunker, assistant	633 16	
Mary S. Woodman, assistant	549 96	
Bessie L. Duddy, assistant	500 00	
	<hr/>	
Amount carried forward	\$6,949 67	

Amount brought forward	\$6,949 67
Nellie M. Whipple, assistant	500 00
Alice W. Sears, assistant	500 00
Florence M. Barber, assistant	466 64
Charlotte R. Lowell, assistant	333 31
Charles A. Perry, assistant	238 12
F. Stuart Dean, assistant	177 70
Truman Cushing, assistant	107 40
Saxton C. Foss, assistant	179 28
Cecil M. Barlow, assistant	45 75
Raymah H. Smith, assistant	50 00
American Book Co., books	17 70
American Express Co., expressing	31 56
American Society for the Extension of University Teaching, books	1 60
John R. Anderson Co., books	562 99
American Library Association, member- ship	5 00
William Abbatt, periodical	5 00
Theo. Andel & Co., books	1 60
American Academy, Political and Social Science, books	15 00
A. R. Andrews, supplies	3 75
D. Appleton & Co., books	7 88
J. Q. Adams & Co., books	15 00
C. L. Anderson Pub. Co., books	3 50
Frances M. Abbott, books	1 00
Alliance Publishing Co., books	60
Cecil M. Barlow, disbursements	14 10
A. S. Barnes & Co., books	3 27
Edward E. Babb & Co., books	6 98
George T. Bailey, periodicals	65 09
Balch Brothers Co., books	5 46
C. M. Blake, periodicals	9 50
Burnham Antique Book Store, books	4 50
N. J. Bartlett & Co., books	23 70
Bates & Guild Co., books	2 50
Frederick W. Bailey, books	1 50
W. A. Butterfield, books	8 35
R. E. Bisbee, books	10 85
Burrows Brothers Co., books	6 25
Boston Suburban Book Co., books	1 00
William R. Bradford, books	14 25
Baker & Taylor Co., books	76 53
George Barrie & Sons, books	24 00
A. S. Burbank, books	3 00
Boston Book Co., periodical	5 61
A. L. Burt Co., books	63
The Braille Print and Publishing Co., periodicals	3 16
Bobbs-Merrill Co., books	2 06
Boston Book Binding Co., binding	248 75
Florence M. Barber, disbursements	6 90
Mabel E. Bunker, disbursements	7 30
George W. Butters, books	1 00
Thomas Y. Crowell & Co., books	2 18
Chemical Publishing Co., books	2 00
Cedric Chivers, books	79 63
Collector of Customs, periodicals	5 00
Amount carried forward	<hr/> \$10,865 10

Amount brought forward	\$10,865 10
Jeremiah J. Crowley, books	83
The Century Co., books	8 63
The Christian Work periodical	3 00
H. M. Caldwell Co., books	83
Cambridge Ice Co., ice	13 45
C. M. Clark Publishing Co., books	1 05
Charles W. Clark Co., books	22 30
Desmond Publishing Co., books	264 60
Oliver Ditson Co., music books	56 21
Dodd, Mead & Co., books	70 44
Dana Estes & Co., books	55 45
Derry-Collard Co., books	5 33
E. P. Dutton & Co., books	12 89
R. deBarralt, book	7 50
Doubleday, Page & Co., books	24 89
Olin S. Davis, supplies	37 50
DeWolfe & Fiske Co., books	5 35
Educational Publishing Co., books	19 06
C. D. Elliot, books	6 00
Eastern Drug Co., typewriter	97 50
George H. Ellis Co., periodical	3 00
Charles Evans, books	15 00
Engineering News Publishing Co., peri- odical	1 68
Essex Institute, periodical	2 00
David Farquhar, binding	449 15
Funk & Wagnalls, books	6 00
A. L. Fowle, books	12 76
T. T. Fryer, books	2 50
A. Flanagan Co., books	1 68
Forbes & Co., books	95
Gilman Express Co., expressing	157 67
Ginn & Co., books	31 39
Granite State Publishing Co., periodical	1 25
Thomas Groom & Co., stationery	66 08
William H. Guild & Co., periodical	10 63
Goodspeed Book Shop, books	28 25
W. A. Greenough & Co., books	12 00
Stanley Gibbons, books	4 80
R. B. Graham, books	2 75
Henry C. Grover, book	75
Glines & Co., expressing	35
Herman Goldberger, periodicals	391 30
O. S. M. Haskell, agency	265 00
Hinds & Noble, books	2 25
Hinds, Noble & Eldredge, books	3 70
Harper & Brothers, books	22 90
Harvard Co-operative Society, books	1 05
Edith B. Hayes, disbursements	9 40
Houghton, Mifflin & Co., books	31 10
Florence D. Hurter, disbursements	8 15
Henry Holt & Co., books	6 05
J. L. Hammett Co., books	1 44
Francis P. Harper, books	1 88
D. C. Heath & Co., books	13 88
E. B. Hall Co., books	6 00
Hurst & Co., books	26
H. S. Inman, books	51 00
International Text-Book Co., books	99 33

Amount carried forward \$13,303 24

Amount brought forward	\$13,303 24
George W. Jacobs & Co., books	2 48
Orange Judd Co., books	1 20
C. A. Koehler & Co., books	44 45
P. J. Kennedy & Sons, books	76
Kimball Brothers, books	2 82
W. A. Keating, books	28 70
S. B. Kidder, books	56 81
William T. King, books	1 00
J. B. Lippincott Co., books	5 50
J. S. Lockwood, books	42 66
Isaac Newton Lewis, books	3 95
Library Bureau, cards, etc.	64 87
Literary Coll. Press, books	5 00
Little, Brown & Co., books	2,501 94
C. S. Lombard & Co., agency	67 24
John B. H. Longfellow, binding	231 00
Lothrop, Lee & Shepard Co., books	\$67 60
(Cash)	3 00
	<hr/>
	64 60
Charles E. Lauriat Co., books	23 00
Library Art Club, pictures	6 00
C. F. Libbie & Co., books	72 54
Library of Congress, cards	100 00
George E. Littlefield, books	43 07
Lemcke & Buechner, books	1 46
Lit Brothers, books	16 02
Charlotte R. Lowell, disbursements	9 00
Legal Lit. Co., books	1 00
Longmans, Green & Co., books	2 48
McDevitt-Wilson, books	45 62
Joseph McDonough, books	2 00
S. F. McLean & Co., books	63 37
Charles Malloy, books	3 00
Macmillan Co., books	111 92
Henry Malkan, books	10 75
John D. Morris & Co., books	9 60
John Moore, books	26 00
J. H. Moody, books	34 65
A. C. McClurg & Co., books	9 00
Esther M. Mayhew, disbursements	9 40
The Moody Corporation, books	10 00
Methodist Book Concern, books	1 33
McClure, Phillips & Co., books	4 20
National Educational Association, books,	2 00
N. E. Hist. Gen. Society, books	30 00
New England Telephone & Telegraph Co., service	48 89
National First Aid Association of America, books	1 00
Nickerson & Collins Co., books	10 00
Old Corner Book Store, books	29 49
Oxford University Press, books	5 10
Oliver Typewriter Co., desk	5 00
S. L. C. Perkins, agency	53 67
Publishers' Weekly, books	23 85
Philadelphia Book Store Co., books	22 25
George H. Polley & Co., books	8 00
Prang Educational Co., books	10 80
	<hr/>
Amount carried forward	\$17,293 68

Amount brought forward	\$17,293 68
G. P. Putnam's Sons, books	22 51
Perham's Express, expressing	21 50
Publishing Committee, Somerville His- torical Society, periodical	3 00
Frank Pergande, books	5 00
Pilgrim Press, periodical	1 50
James Polt & Co., book	1 24
Fr. Pustet & Co., books	2 33
L. C. Page & Co., books	2 00
Penn Publishing Co., books	11 00
Fleming H. Revell Co., books	1 96
S. A. Riker, agency	16 05
Record of the Past, Ex. Society, peri- odical	13 50
M. C. W. Reid, books	1 35
Rogers & Wise Co., periodical	3 00
W. B. Rand, supplies	2 25
Rand, McNally & Co., books	1 44
P. B. Sanford Co., binding	1,124 15
W. B. Saunders & Co., books	14 50
Charles Scribner's Sons, books	118 47
Small, Maynard & Co., books	3 15
Somerville Post-office, postage	20 00
Sampson & Murdock Co., books	12 00
Schoenhof Book Co., books	13 00
J. E. Smith, books	4 75
The Science Press, books	9 00
Gustav Stickley, periodical	3 00
Society of Psychical Research, books	5 00
Somerville Journal Co., printing	270 61
Theodore E. Schulte, books	88 43
Smith Book Co., books	3 30
Adele Smith, disbursements	9 40
John E. Scopes, books	2 90
Frederick A. Stokes Co., books	5 63
Silver, Burdett & Co., books	2 07
Tabard Inn Library, books	90 95
C. R. Taylor, expressing	78 90
Thorpe's Express, expressing	3 85
Tufts Song Book, music book	2 00
C. W. Tibbetts, books	2 00
Underhill Hardware Co., hardware	2 80
Union Library Association, books	42 47
University of Chicago Press, books	4 08
Underwood & Underwood, supplies	4 50
H. M. Upham Co., books	1 80
D. Van Nostrand Co., book	7 20
M. L. Vinal, agency	29 66
Ernest F. VerWiebe, book	2 50
J. R. Wedgewood, expressing	28 65
H. W. Wilson Co., books	30 50
World's Fair Scrap Book Co., books	5 25
James H. West, books	96
John Wiley & Sons, books	12 25
Writer Publishing Co., books	4 65
Webcowit Press, printing	113 00
James T. White & Co., books	16 00
R. H. White Co., book	50
Mary S. Woodman, disbursements	9 20
Amount carried forward	\$19,606 34

Amount brought forward	\$19,606 34	
A. Wessels Co., book	5 63	
W. A. Wilde Co., books	5 15	
Helen M. Winslow, books	1 00	
John C. Winston Co., books	4 95	
Alice M. Young, agency	92 99	
Yogi Publishing Society, books	38	
Young People's Missionary Movement, books	5 40	
Zion's Herald, periodical	1 25	
	<hr/>	\$19,723 09

Public Library, Isaac Pitman Fund, Art.

CREDIT.

Balance from 1905	\$4,251 66
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DEBIT.

Balance to credit of account, 1907	<u>\$4,251 66</u>
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Public Library, Isaac Pitman Fund, Poetry.

CREDIT.

Balance from 1905	\$1,062 92
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DEBIT.

Balance to credit of account, 1907	<u>\$1,062 92</u>
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Public Library, Isaac Pitman Fund, Income, Art.

CREDIT.

Balance from 1905	\$84 45
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Receipts:—

Cash, income from invested funds	160 00
Interest on deposit in bank	13 28

\$257 73

Balance of account unused, carried to 1907	158 36
--	--------

\$99 37

DEBIT.

(Expenditures.)

Cash, paid Little, Brown & Co., books	\$38 48
McDevitt, Wilson books	8 20
Frederick A. Stokes Co., books	1 97
Underwood & Underwood, stereopticon views	50 72
	<hr/>
	<u>\$99 37</u>

Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.

Balance from 1905	\$58 39
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Receipts:—

Cash, income from invested funds	40 00
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Amount carried forward	<u>\$98 39</u>
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APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 113

Amount brought forward	\$98 39
Interest on deposit in bank	3 32
	<hr/>
	\$101 71
Balance of account unused, carried to 1907	79 83
	<hr/>
	\$21 88

DEBIT.
(Expenditures.)

Cash, paid Oscar Fay Adams, book . . .	\$1 60
Doubleday, Page & Co., books . . .	4 05
Houghton, Mifflin & Co., books . . .	6 00
Little, Brown & Co., books . . .	8 98
The Mirror, books	1 25
	<hr/>
	\$21 88

Public Library, Isaac Pitman Fund, Investment Account.

CREDIT.

Balance to debit of account, 1907	\$5,314 58
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DEBIT.

Balance from 1905	<u>\$5,314 58</u>
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Public Grounds.

CREDIT.

Appropriations, from Taxes, 1906	\$10,400 00
Excess and Deficiency account, balance transferred . . .	37
	<hr/>
	\$10,399 63

Receipts:—

Cash, received of Somerville High School Athletic Association, labor and materials	\$421 95
Boston Elevated Railway Co., part cost maintenance Broadway parkway, 1905 and 1906	100 00
American Tube Works, part cost of fence	90 00
Max Berman, old iron	10 00
	<hr/>
	621 95
Sewers Construction account, labor, etc.	60 94
	<hr/>
	\$11,082 52

DEBIT.
(Expenditures.)

Cash, paid laborers	\$7,306 05
Ames Plow Co., supplies	79 47
F. C. Ayer, lumber	42 76
American Express Co., expressing . . .	2 37
Harold L. Bond & Co., push brooms . .	2 00
	<hr/>
Amount carried forward	\$7,432 65

Amount brought forward	\$7,432 65	
D. J. Bennett, repairing apparatus	17 75	
J. A. Durell, hardware	1 25	
William F. Chester & Co., ladder rounds,	3 75	
Timothy F. Crimmings, use of teams	99 00	
Davenport-Brown Co., poles	19 44	
J. A. Durell, supplies	23 03	
J. H. Fannon, sand	12 00	
R. & J. Farquhar & Co., repairing mower	2 30	
A. C. Gordon, signs	143 00	
L. B. Harmon, repairing fence, etc.	5 60	
William S. Howe, smoke pipe	6 73	
Highland Coal Co., line	6 95	
Hemcon Brothers, building fence, etc.	268 07	
J. W. Howard, loam, labor, etc.	1,159 69	
Hale & Mayhew Co., handle	50	
C. L. Kimball, slates	14 91	
The Linen Thread Co., web	2 00	
G. F. McKenna & Son, teaming	146 00	
G. W. Manning, repairing halyard	76 80	
William J. McCarthy, stone dust	26 91	
William G. Martin, sharpening saws	9 70	
C. W. H. Moulton & Co., ladder, etc.	6 60	
George McKenna, sods and loam	32 57	
Catherine O'Connell, settlement of suit	162 50	
H. Pigeon & Sons, flagpole	55 00	
G. W. Prichard, use of horse	68 75	
Perrin, Seamans & Co., shovels	4 86	
W. E. Plumer & Co., hardware	12 53	
W. P. Rice, lumber	1 50	
A. G. Renner, expressing	1 00	
John M. Riley, loam	25 00	
E. S. Sparrow & Co., hardware	23 25	
M. A. Simpson, sand	1 00	
James Tevlin, use of teams	606 75	
Thorpe's Express, expressing	35	
Anastasia Tevlin, repairing flag	4 00	
Heirs of Nathan Tufts, use of land	93 96	
Underhill Hardware Co., hardware	81 20	
Whitney & Snow, hardware	107 50	
I. B. Walker, iron work	14 36	
Waldo Brothers, sewer pipe	1 80	
L. A. Wright, repairing mowers, etc.	4 75	
Walter A. Wood Mowing and Reaping Machine Co., repairing mowers	1 08	
Henry A. Wheeler & Co., ensigns	14 21	
Joseph Young, repairing mowers	4 00	
	<hr/>	
	\$10,806 55	
Sidewalk Assessment account, sidewalk as- sessment	101 10	
Suppression Gypsy and Brown-tail Moths account, labor and arsenate of lead	105 25	
Water Maintenance account, water service	51 34	
Highways Maintenance account, rolling grounds	18 28	
	<hr/>	
		\$11,082 52

Public Property.

CREDIT.

Balance to debit of account, 1907	\$5,144,662 92
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DEBIT.

Property and Debt Balance, property acquired in 1905	\$1,242,987 20
Balance from 1905	3,901,675 72
	<u>\$5,144,662 92</u>

Real Estate Liens.

CREDIT.

Balance to debit of account, 1907	\$2,340 61
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DEBIT.

Balance from 1905	\$2,258 36
Cash, received of sundry persons, estates reverting to city	82 25
	<u>\$2,340 61</u>

Redemption of Tax Liens.

CREDIT.

Balance from 1905	\$32 97
Cash, received of sundry persons, redemption of tax liens,	994 05
	<u>\$1,027 02</u>

Amount accruing to city under Chapter 443, Acts of 1902, carried to City Treasurer account	15 00
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	<u>\$1,012 02</u>
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DEBIT.

Cash, paid sundry persons, redemption of tax liens	<u>\$1,012 02</u>
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Reduction of Funded Debt.

CREDIT.

Balance from 1905	\$10,851 39
Appropriations, from Taxes, 1906	102,000 00
Water Works Income, amount appropriated, Water bonds	6,000 00
Water Works Income, amount appropriated, Sewer bonds	18,000 00
Commonwealth of Massachusetts, armory rent	800 00
Renewal of Funded Debt	10,000 00
Water Works Income, balance transferred	10,792 96
	<u>\$158,444 35</u>

Receipts:—

Cash, received of R. L. Day & Co., premium on bonds	649 00
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Amount carried forward	<u>\$159,093 35</u>
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Amount brought forward	\$159,093 35
Excess and Deficiency account, balance transferred	5,593 35
	<hr/>
	\$153,500 00
Balance to credit of account, 1907	13,000 00
	<hr/>
	\$140,500 00

DEBIT.

(Expenditures.)

Cash, paid bonds maturing in 1906	<u>\$140,500 00</u>
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Renewals of Funded Debt.

CREDIT.

Appropriations, from Funded Debt, 1906	\$10,000 00
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DEBIT.

Reduction of Funded Debt, bonds paid	<u>\$10,000 00</u>
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School Contingent.

CREDIT.

Appropriations, from Taxes, 1906	\$25,000 00
Excess and Deficiency account, balance transferred	2,540 91
	<hr/>
	\$27,540 91

Receipts:—

Commonwealth of Massachusetts, tuition of state wards	90 50
Cash, received of G. A. Southworth, superintendent of schools, tuition of non-resident pupils, etc.	\$165 00
Frederick R. Bunten, tuition	192 66
	<hr/>
	357 66
	<hr/>
	\$27,989 07

DEBIT.

(Expenditures.)

Cash, paid Gordon A. Southworth, salary as superintendent of schools	\$3,000 00
disbursements	209 10
Cora S. Fitch, assistant	750 00
Mary A. Clark, assistant	500 00
Lemuel H. Snow, truant officer	1,100 00
board of horse	240 00
Jairus Mann, truant officer	49 99
American Book Company, books	2,196 87
D. Appleton & Co., books	33 84
Adams, Cushing & Foster, supplies	3,487 54
John A. Avery, disbursements	26 95
American Express Co., expressing	4 90
Allyn & Bacon, books	136 96
Allbe & Pratt, printing	147 75
Allen, Doane & Co., badges	15 15
Edwin T. Adler, services	5 00
	<hr/>
Amount carried forward	\$11,904 14

Amount brought forward	\$11,904 14
American School of Correspondence, books	10 80
Mary A. Atherton, books	37 50
Edward E. Babb & Co., supplies	1,151 14
F. J. Barnard & Co., binding	51 88
Milton Bradley Co., supplies	83 85
Bausch & Lomb Optical Co., supplies	6 48
Brown, Durrell Co., supplies	22 11
C. C. Birchard Co., music	48 25
Charles E. Brainerd, disbursements	2 46
Boston Bank Note Co., diplomas	162 52
Jeremiah E. Burke, address	25 00
Bow-street Methodist Church, use of church	150 00
Clark Mfg. Co., ink, etc.	94 30
Mary F. Carrick, supplies	12 63
Carter's Ink Co., supplies	10 20
N. H. Crowell, supplies	35 00
Cambridge Botanical Supply Co., sup- plies	29 40
Mrs. E. T. Curtis, supplies	135 47
Chandler & Barber, supplies	97 85
James H. Chase, services	20 00
Dennison Mfg. Co., supplies	8 59
Oliver Ditson Co., supplies	75 80
A. L. Doe, disbursements	4 36
E. M. Drury, supplies	1 45
E. S. Daniels, tuning pianos	10 50
DeWolfe, Fiske & Co., books	76 07
Charles E. Davis, census	59 20
Educational Publishing Co., books	202 85
J. S. Emerson, disbursements	21 83
Eimer & Amend, supplies	158 30
Emerson College Publishing Depart- ment, books	29 75
Eagle Pencil Co., supplies	4 92
Clara Z. Elliot, census	38 26
Benjamin F. Freeman, supplies	2 50
C. Mason Farnham, services	15 00
Frost & Adams Co., supplies	5 25
G. R. Fiske & Co., supplies	69 07
David Farquhar, supplies	834 30
M. Abbott Frazar Co., supplies	1 25
Wyman C. Fickett, census	30 08
Ginn & Co., books	1,898 67
Gilman-square Fish Market, supplies	60
Gilman Express Co., expressing	75
Glines & Co., expressing	45 11
W. A. Greenough & Co., books	8 00
Annie M. Gilcrease, services	55 24
D. C. Heath & Co., books	513 58
J. L. Hammett Co., supplies	410 10
Hobbs & Warren Co., supplies	8 13
Houghton, Mifflin & Co., books	523 58
Harvard University, supplies	7 30
J. W. Howard, supplies	4 25
Houghton & Dutton, supplies	4 96
Lina M. Hooper, services	5 00
Amount carried forward	\$19,225 49

Amount brought forward	\$19,225 49
Hadley's Orchestra, music	274 00
Harry F. Hathaway, disbursements	1 19
J. L. Hammett Co., supplies	78 72
Holden Patent Book Cover Co., supplies,	33 58
Jordan, Marsh Co., supplies	6 25
S. A. Johnson, disbursements	27 44
Kenney Brothers & Wolkins, supplies	968 67
L. E. Knott Apparatus Co., supplies	30 42
R. E. Kibbe, engrossing	2 45
George F. King & Co., supplies	92 68
Harlan P. Knight, disbursements	1 40
Keuffel & Esser Co., supplies	106 05
Library Bureau, supplies	11 75
Longmans, Green & Co., books	22 79
Howard Lowell & Son, carriage hire	5 00
John D. Long, address	50 00
Robert Luce, address	25 00
J. B. Lippincott Co., books	32 95
Lothrop, Lee & Shepard Co., books	6 40
George A. LaBree, supplies	26 08
A. H. Munsell, supplies	8 00
Maynard, Merrill & Co., books	152 41
Bunkio Matsuki, supplies	2 30
Mitchell Mfg. Co., supplies	4 24
Middlesex County Truant School, board of truants	417 28
Marine Biological Laboratory, supplies,	13 50
Massachusetts Bible Society, books	7 25
Macey Co., office supplies	49 57
McKinley Publishing Co., supplies	6 38
Wesley A. Maynard, printing	32 35
Neostyle Co., supplies	72 40
New England Telephone & Telegraph Co., service	184 71
W. E. Plumer & Co., supplies	354 10
Howard W. Poor, supplies	27 84
Isaac Pitman & Sons, books	7 45
Rand, McNally & Co., maps	42 71
Remington Typewriter Co., rental	7 50
Silver, Burdett & Co., books	1,398 02
Simplex Electric Heating Co., supplies	2 40
Somerville Journal Co., printing	924 35
Benjamin H. Sanborn & Co., books	1,028 69
Schoenhof Book Co., books	66 13
Sibley & Co., books	83 46
Smith-Premier Typewriter Co., supplies,	107 65
Scarborough Co., supplies	49 10
Sprague & Hathaway Co., supplies	12 77
Suffolk Ink Co., supplies	6 00
Scott, Foresman & Co., supplies	90
Shattuck & Jones, supplies	2 25
Henry W. Stone, engrossing	98 30
Oscar W. Short, services	18 00
Thorp & Martin Co., supplies	48 00
C. R. Taylor, expressing	20 40
Thorp's Express, expressing	7 70
Thompson, Brown & Co., supplies	7 80
Richard H. Tincker, census	22 98

Amount carried forward \$26,323 20

Amount brought forward	\$26,323 20
Underwood Typewriter Co., supplies	20 60
University Publishing Co., books	12 56
M. L. Vinal, supplies	78 10
F. S. Webster Co., supplies	3 18
Whitney & Snow, supplies	94 60
John M. Woods & Co., supplies	517 52
H. Wood, repairing	1 80
Writer Publishing Co., books	45 15
Wadsworth, Howland & Co., books	598 72
C. T. C. Whitcomb, disbursements	10 85
George M. Wadsworth, disbursements	7 28
C. A. Watrous, book covers	204 75
A. J. Wilkinson & Co., supplies	11 00
Mina J. Wendell, disbursements	6 00
Elizabeth S. Webster, census	39 84

\$27,975 15

Public Buildings Maintenance, Schoolhouses account, telephone	6 93
Public Library account, books lost	6 99

\$27,989 07

School Teachers' Salaries.

CREDIT.

Appropriations, from Taxes, 1906	\$260,000 00
Excess and Deficiency account, balance transferred	741 21
	<u>\$260,741 21</u>

DEBIT.

(Expenditures.)

Cash, paid salaries as per pay-rolls	\$260,823 46
(Cash)	82 25
	<u>\$260,741 21</u>

Sealer of Weights and Measures.

CREDIT.

Appropriations, from Taxes, 1906	\$1,050 00
Excess and Deficiency account, balance transferred	38 65
	<u>\$1,088 65</u>

Receipts:—

Cash, received of John H. Dusseault, fees for weighing	438 86
	<u>\$1,527 51</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$1,000 00
disbursements	495 99
W. A. Greenough & Co., directory	4 00
New England Telephone & Telegraph Co., service	11 87
Somerville Journal Co., advertising	6 00
R. Woodman Mfg. & Supply Co., seals	9 65

\$1,527 51

Sewer Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons	\$4,863 78
Balance to debit of account, 1907	3,958 46
	<hr/>
	\$8,822 24

DEBIT.

Balance from 1905	\$6,320 99
Sewers Construction account, assessments levied	2,501 25
	<hr/>
	\$8,822 24

Sewer Loan Interest.

CREDIT.

Water Works Income, amount appropriated	\$8,827 50
Interest account, amount transferred	400 00
	<hr/>
	\$9,227 50

DEBIT.

Coupons maturing April 1, 1906:—	
\$6,000, six months, 4½ per cent.	\$135 00
\$30,000, six months, 3½ per cent.	525 00
Coupons maturing July 1, 1906:—	
\$151,000, six months, 4 per cent.	3,020 00
\$48,000, six months, 3½ per cent.	840 00
Coupons maturing October 1, 1906:—	
\$6,000, six months, 4½ per cent.	135 00
\$29,000, six months, 3½ per cent.	507 50
Coupons maturing January 1, 1907:—	
\$156,000, six months, 4 per cent.	3,120 00
\$42,000, six months, 3½ per cent.	735 00
	<hr/>
	\$9,017 50
Registered Bonds, interest due January 1, 1907	210 00
	<hr/>
	\$9,227 50

Sewers, Construction.

CREDIT.

Balance from 1905	\$4,711 52
Appropriations, from Funded Debt, 1906	20,000 00
Sewer Assessments account, assessments levied	2,501 25
	<hr/>
	\$27,212 77
Reduced by the following transfers:—	
Highways Construction account	\$2,000 00
Electrical Department, Underground Construction account	3,000 00
	<hr/>
	5,000 00
	<hr/>
	\$22,212 77
Balance of account unused, carried to 1907	3,454 11
	<hr/>
Amount carried forward	\$18,758 66

Amount brought forward	\$18,758 66	
Stock and labor billed other departments:—		
Water Maintenance account, labor, fittings, etc.	\$537 22	
Sewers Maintenance account, bricks, etc. .	301 05	
Sidewalks Construction account, edge- stones	7 72	
Highways Construction account, cement .	122 32	
Highways Maintenance account, cement .	25 37	
Public Buildings Maintenance, Schoolhouses account, labor, etc.	23 25	
Public Buildings Construction, High School Building account, labor	33 97	
		1,050 90
		<u>\$19,809 56</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,904 50	
Bartholomew Burke, constructing sewer:—		
Ivaloo and Harrison streets	1,013 45	
Bromfield road	359 87	
North street and Russell road	71 80	
Newberne street	67 39	
Everett street	272 95	
Patrick Burke, constructing sewer:—		
Gurney street	352 88	
Timothy F. Crimmings, constructing sewer:—		
Medford street	1,888 42	
Elm street	778 65	
Pearson road	400 00	
Daniel A. Dorey, constructing sewer:—		
Bromfield road	19 26	
Pearson road and Broadway	739 94	
Glen and Dell streets	19 29	
Franklin and Oliver streets	60 98	
Warner street	311 95	
Kent and Harrison streets	700 00	
James H. Fannon, constructing sewer:—		
Packard avenue	33 53	
Washington street	1,498 37	
Richard Falvey, constructing sewer:—		
Linwood street	230 25	
Charles A. Kelley, constructing sewer:—		
Nevada avenue, Skehan and Village streets	1,478 67	
Chestnut street	31 73	
Vine street	79 17	
Mary P. Belt, use of water	50	
Boston & Maine Railroad, freight, \$30 11 (Cash)	14 00	
		16 11
William H. Casey & Co., bricks	438 09	
Registry of Deeds, recording documents, .	4 55	
Thomas Groom & Co., books	16 25	
David W. Lewis Co., cement	110 65	
Charles Linehan, sand	37 69	
Amount carried forward	\$13,936 89	

Amount brought forward	\$13,936 89	
New England Telephone & Telegraph Co., rails	17 37	
Osgood & Witherly, castings	505 95	
James Tevlin, use of teams	607 50	
Frederick B. Witherly, castings	292 62	
Webcowit Press, printing	44 00	
Windsor Cement Co., cement	\$955 57	
(Cash)	125 40	
	<hr/>	
	830 17	
Waldo Brothers, drain pipe, etc.	3,317 42	
	<hr/>	
	\$19,551 92	
Sewers Maintenance account, building catch basins	76 40	
Highways Maintenance account, relaying sidewalks, etc.	120 30	
Public Grounds account, constructing drains, etc.	60 94	
	<hr/>	
		\$19,809 56

Sewers, Maintenance.

CREDIT.

Water Works Income, amount appropriated	\$12,000 00
Excess and Deficiency account, balance transferred	75 68
	<hr/>
	\$11,924 32

Receipts:—

Cash, received of Edison Electric Illuminating Co., labor, etc.	\$29 45	
Max Berman, old iron and hose	19 25	
	<hr/>	
		48 70

Stock and labor billed other departments:—

Public Buildings Maintenance, City Buildings account, labor, etc.	24 85	
Sewers Construction account, labor, etc.	76 40	
Water Maintenance account, labor, etc.	180 26	
Highways Construction account, labor, etc.,	455 28	
Health Department, Collection of Ashes and Offal account, labor, etc.	8 30	
Highways, Paving Broadway, Bow and Summer streets account, labor, etc.	56 62	
City Engineer account, labor, etc.	75 50	
	<hr/>	
		877 21
		<hr/>
		\$12,850 23

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,662 86
F. C. Ayer, lumber	6 75
J. J. Buckley, bags	4 00
Charles E. Berry, labor	2 25
The Cornelius Callahan Co., repairing hose	16 90
William H. Casey & Co., bricks	147 99
E. W. Danforth, disbursements	34 00
Davenport-Brown Co., lumber	2 23
	<hr/>
Amount carried forward	\$7,876 08

Amount brought forward	\$7,876 08
Edson Mfg. Co., repairing hose . . .	3 75
The Fairbanks Co., scale	7 00
J. H. Fannon, sand	24 50
Thomas Groom & Co., books	16 50
Gilman Express Co., expressing . . .	25
A. C. Gordon, labor	17 50
William S. Howe, fire pot, etc. . . .	9 65
Hemeon Brothers, carpentering . . .	64 66
A. R. Hyde, repairing boots	1 60
E. F. Hicks, lunch	20 00
D. J. King, flour barrels	1 50
Charles A. Kelley, bricks	7 00
David W. Lewis Co., cement	15 50
Estate Charles Linehan, sand	10 79
William G. Martin, sharpening tools .	2 70
Maine Rubber Shoe Co., rubber boots .	47 28
New England Brick Co., bricks . . .	10 40
New England Telephone & Telegraph Co., service	37 27
New England Oil Co., oil	10 75
Norton & Co., rubber hose	75 00
Osgood & Witherly, castings	52 64
Perrin, Seamans Co., crane, etc. . . .	26 49
M. A. Simpson, sand	50
Somerville Iron Foundry, castings . .	95 35
Abe Silverman, repairing boots . . .	3 60
James Tevlin, use of teams	3,991 65
I. B. Walker, iron work	52 10
Waldo Brothers, cement	15 12
Whitney & Snow, hardware	39 25
E. DeF. Wilkinson & Co., elateroid coating	10 50

\$12,546 88

Highways Maintenance account, shovels .	2 30
Sewers Maintenance account, materials .	301 05

\$12,850 23

Sidewalk Assessments.

CREDIT.

Balance of account carried to 1907	\$5,563 82
Receipts:—	
Cash, received of sundry persons	11,844 64
	<hr/>
	\$17,408 46

DEBIT.

Balance from 1905	\$3,700 40
Sidewalks Construction account, assess- ments levied	13,708 06
	<hr/>
	\$17,408 46

Sidewalks, Construction.

CREDIT.

Balance from 1905	\$739 75
Appropriations, from Funded Debt, 1906	12,000 00
	<hr/>
Amount carried forward	\$12,739 75

Amount brought forward	\$12,739 75
Transferred from Highways Construction account	1,065 91
	<hr/>
	\$13,805 66
Sidewalk Assessments account, assessments levied	13,708 06
Receipts:—	
Cash, received of sundry persons, constructing sidewalks,	153 43
Stock and labor billed other departments:—	
Highways Maintenance account, edgestones	100 50
	<hr/>
	\$27,767 65

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,482 91
Thomas Allen, constructing sidewalks	4,041 33
F. C. Ayer, lumber	14 30
William H. Casey & Co., bricks	6,172 08
Thomas Groom & Co., books	21 00
S. H. Lewis, sods	7 00
S. & R. J. Lombard, edgestones	7,541 15
H. D. McGray, sods	7 78
	<hr/>
	\$25,287 55
Highways Maintenance account, use of city teams	2,444 38
Highways, Paved Gutters and Crossings account, paving bricks	28 00
Sewers Construction account, edgestones	7 72
	<hr/>
	\$27,767 65

Sidewalks, Maintenance.

CREDIT.

Appropriations, from Taxes, 1906.	\$3,000 00
Transferred from Highways Maintenance account	999 41
	<hr/>
	\$3,999 41
Stock and labor billed other departments:—	
Highways Maintenance account, bricks	\$63 00
Highways Construction account, bricks	64 18
	<hr/>
	127 18
	<hr/>
	\$4,126 59

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,942 04
Thomas Allen, tar concrete	4 00
William H. Casey & Co., bricks	571 16
New England Oil Co., oil	5 00
	<hr/>
	\$3,522 20
Highways Maintenance account, use of teams, etc.	604 39
	<hr/>
	\$4,126 59

Soldiers' Burials.

CREDIT.

Receipts:—

Commonwealth of Massachusetts, soldiers' burials . . . \$455 00

DEBIT.

(Expenditures.)

Cash, paid John Bryant's Sons, services as undertakers	\$70 00	
W. A. Frink, services as undertaker	35 00	
C. H. Faunce, services as undertaker	35 00	
W. A. Flaherty & Son, services as undertakers	35 00	
Joseph J. Kelley & Son, services as undertakers	35 00	
John E. Kauler, services as undertaker	70 00	
A. E. Long & Son, services as undertakers	70 00	
F. M. Wilson, services as undertaker	105 00	
		<u>\$455 00</u>

Soldiers' Relief.

CREDIT.

Appropriations, from Taxes, 1906 \$22,000 00

Excess and Deficiency account, balance transferred . . . 279 00

\$22,279 00

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$22,364 00	
(Cash)	88 00	
		<u>\$22,276 00</u>
Webcowit Press, cards	3 00	
		<u>\$22,279 00</u>

Somerville Hospital.

CREDIT.

Appropriations, from Taxes, 1906 \$5,000 00

DEBIT.

(Expenditures.)

Cash, paid for support of sick poor \$5,000 00**State Aid.**

CREDIT.

Commonwealth of Massachusetts, state aid paid in 1906 . . . \$15,530 00

DEBIT.

(Expenditures.)

Cash, paid monthly pay-rolls	\$15,559 00	
(Cash)	29 00	
		<u>\$15,530 00</u>

Street Lights.

CREDIT.

Appropriations, from Taxes, 1906	\$67,000 00
Excess and Deficiency account, balance transferred	2,444 79

 \$64,555 21

Receipts:—

Cash, received of sundry persons, lighting	3 60
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 \$64,558 81

DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co.	
of Boston, arc lighting	\$49,029 59
incandescent lighting	15,482 22
changing lamps	33 00
Howard Lowell & Son, carriage hire	14 00

 \$64,558 81
Sundry Persons.

CREDIT.

Balance from 1905	\$524 21
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DEBIT.

Balance to credit of account, 1907	\$524 21
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Support of Poor, City Home.

CREDIT.

Appropriations, from Taxes, 1906	\$2,500 00
Excess and Deficiency account, balance transferred	398 47

 \$2,898 47

Receipts:—

Cash, received of J. Foster Colquhoun,	
produce	\$3,833 84
Town of Sandwich, board	8 50
Mary S. Lindsey, board	36 50
North Packing and Provision Co., pork	29 48

 3,908 32

 \$6,806 79

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as	
warden	\$700 00
disbursements	54 85
Mrs. Catherine Colquhoun, matron	300 00
Farm help	1,264 85
House help	226 05
Ar-Showe & Co., groceries	52 00
Armour Packing Co., groceries	3 60
D. J. Bennett, harness work	12 75
Boston Plate & Window Glass Co.,	
glass	13 75

 Amount carried forward \$2,627 85

Amount brought forward	\$2,627 85
Joseph Breck & Sons Corporation, farm supplies	165 00
Beyer Bros. Commission Co., groceries, Boston & Maine Railroad, freight	86 80
H. A. Brownell, harness repairing	4 51
Brown-Durrell Co., clothing	5 30
Boston Pigeon Exchange & Poultry Supply Co., pigeon and poultry supplies	64 48
Andrew Blyth, groceries	1 40
Braman, Dow & Co., faucet	15 64
L. Blanchard & Co., groceries	1 07
Belle Mead Farm, boars	1 50
Clark Brothers Co., groceries	25 00
C. F. Crocker, groceries	77 69
Cambridge Ice Co., ice	83 00
L. M. Dyer & Co., groceries	33 50
Frank P. Daley, papers	566 09
P. Derby & Co., chairs	4 01
Eastern Fuel & Shavings Co., shavings	11 76
Farley, Harvey & Co., blankets	3 50
L. C. Fisher & Co., groceries	27 46
Franklin Rubber Co., matting	4 50
J. H. Fannon, concreting	15 94
James Forgie's Sons, harness repairing	9 10
H. E. Fiske Seed Co., disinfectant	1 05
C. D. Gallagher, groceries	1 75
J. T. Glines Co., groceries	1 35
Thomas Groom & Co., stationery	10 00
D. J. Green & Co., sponges, etc.	3 05
A. P. Gill, hair cutting	10 14
M. J. Gallagher & Co., boxes	6 70
H. E. Gustin, plants	24 84
Gilman Express Co., expressing	3 20
The G. H. Hammond Co., groceries	1 05
F. J. Hopkins, groceries	42 30
N. J. Hardy, groceries	109 64
Percy A. Hall, medicine	2 82
Highland Coal Co., lime and cement	28 04
Hollis, Park & Pollard, poultry supplies, I. N. Holman, sharpening lawn mowers, The Hale & Mayhew Co., wagon repairs, Charles A. Holmes, groceries	11 65
Charles E. Hall, clipping	5 35
Hovey & Co., seeds	3 50
H. P. Hood & Sons, groceries	12 45
John Hughes, boots and shoes	6 86
Jordan, Marsh Co., kitchen ware	3 00
A. Keene, clothing	3 63
T. E. Littlefield, lumber	3 84
G. W. Ladd, horseshoeing	3 84
La-Lo Mfg. Co., spray and sprayer	1 75
S. M. Lawrence, groceries	32 79
Lord & Webster, hay	5 85
Mitchell, Woodbury & Co., crockery	3 13
Massachusetts State Prison, clothing	28 75
Medford-street Market, groceries	2 45
H. L. McReavy & Co., groceries	8 89
	94 61
	2 51
	47 50
	13 75
	85

Amount carried forward \$4,374 14

Amount brought forward	\$4,374 14	
National Biscuit Co., groceries	67 24	
New England Telephone & Telegraph Co., service	36 53	
New England Mfg. Co., groceries	22 20	
Newcomb & Paine, groceries	3 10	
Fulton O'Brien, hay and grain	82 91	
W. E. Plumer & Co., hardware	34 72	
George G. Page Box Co., boxes	70 49	
Proctor Brothers, oats	165 00	
Peabody Brothers, groceries	2 75	
The Park & Pollard Co., poultry supplies	2 35	
W. W. Rawson & Co., farm supplies	11 78	
J. B. Rufer, blacksmithing	68 75	
J. W. Roberts & Co., groceries	478 45	
Reuben Ring & Co., medicine	10 75	
Rice Brothers, poultry supplies	3 68	
Schlegel & Fottler Co., farm supplies	74 15	
Parke Snow, dry goods	66 03	
E. S. Sparrow & Co., hardware	5 40	
Shepard & Harding, hay and grain	63 39	
Swift & Co., groceries	23 40	
Timothy Smith & Co., kitchen ware	5 60	
J. C. H. Snow, labor and lumber	24 55	
Somerville Journal Co., printing	4 75	
John P. Squire & Co., shavings	3 50	
George H. Thayer, boots and shoes	35 90	
Nathan Tufts & Sons, grain	87 69	
Underhill Hardware Co., hardware	8 45	
F. A. Weldon, groceries	70 95	
John Wolfe, Jr., & Co., groceries	5 80	
Joseph H. White & Sons, groceries	26 15	
William J. Wiley, paints, etc.	52 37	
E. B. West & Co., hay and grain	79 38	
Wheeler, McElveen & Co., horse	215 00	
I. B. Walker, hooks	1 15	
M. F. Wilbur, grain	42 25	
Emil Zacharias, barber chair	3 00	
	<hr/>	
	\$6,333 70	
Health, Collection of Ashes and Offal account, swill	318 76	
Sewer Assessments account, sewer assessment	154 33	
	<hr/>	
		\$6,806 79

Support of Poor, Miscellaneous.

CREDIT.

Appropriations, from Taxes, 1906	\$14,000 00
Excess and Deficiency account, balance transferred	1,685 12
	<hr/>
	\$12,314 88
Receipts:—	
Commonwealth of Massachusetts, support of state paupers	1,501 40
	<hr/>
Amount carried forward	\$13,816 28

Amount brought forward		\$13,816 28
Cash, received for support of paupers:—		
City of Brockton	\$20 00	
City of Marlboro	11 75	
City of Haverhill	32 50	
City of Everett	1 15	
City of Cambridge	1,244 74	
City of Newburyport	19 50	
City of Springfield	60 25	
City of Newton	226 80	
City of Chelsea	23 00	
City of Malden	69 79	
City of Salem	123 98	
City of Worcester	78 00	
City of Medford	69 00	
City of Fall River	238 25	
City of Gloucester	52 17	
City of Boston	1,349 48	
City of Waltham	164 72	
City of Woburn	241 12	
Town of Truro	6 00	
Town of Montague	25 00	
Town of Leominster	52 17	
Town of Belmont	116 75	
Town of Weston	21 75	
Town of Stoneham	46 87	
Town of Andover	6 25	
Town of Blackstone	18 69	
Town of Falmouth	80 14	
Town of Quincy	21 43	
		<hr/>
		\$4,421 25
		<hr/>
		\$18,237 53

DEBIT.

(Expenditures.)

Cash, paid Charles C. Folsom, salary as agent	\$1,600 00
disbursements	192 93
Alvah B. Dearborn, city physician	1,141 94
C. Clarke Towle, city physician	508 06
disbursements	7 00
Cora E. Lewis, secretary	700 00
Florence Kenneson, clerical services	32 00
American Express Co., expressing	40
H. G. Applin, groceries	50 00
J. H. Brooks, dry goods	3 00
N. R. Barrows, groceries	205 00
C. S. Butters, groceries	94 50
James Bartley, groceries	218 25
W. P. Blanchard, groceries	131 50
Bell & Co., medicine	2 50
Brystol-Meyers Co., medicine	2 00
Boston Penal Institution, support of paupers	14 29
A. F. Carpenter, groceries	38 59
Bridget Condon, board	32 00
Commonwealth of Massachusetts, relief of paupers	338 00
	<hr/>
Amount carried forward	\$5,311 96

Amount brought forward	\$5,311 96
J. Caldwell & Co., moving clothing	2 00
Edward Coliten & Son, groceries	306 00
Children's Mission, board	104 00
F. E. Cheney & Co., groceries	37 00
G. S. Cheney & Co., medicine	1 70
City of Boston, relief of paupers	1,868 33
City of Cambridge, relief of paupers	244 33
City of Newton, relief of paupers	4 29
City of Lowell, relief of paupers	35 50
City of Medford, relief of paupers	35 00
City of Pittsfield, relief of paupers	3 40
City of Worcester, relief of paupers	84 43
A. F. Carpenter, groceries	228 82
F. L. Card, groceries	54 00
Mary Cameron, board	17 50
A. B. Crothers, groceries	50 00
James Davis, groceries	320 00
Charles W. Daily Corporation, am- bulance	13 00
J. A. Durell, cook stove	3 00
W. J. Emerson, boots and shoes	3 75
Foxborough State Hospital, relief of paupers	247 48
Fraser Tablet Co., medicine	98
George E. Farnam, groceries	28 00
David Fudge & Son, burial	5 00
Fresh Pond Ice Co., ice	1 60
H. A. French, groceries	10 00
Thomas Groom & Co., stationery	21 00
C. H. Goldthwaite & Co., medicine	50 92
Charles F. Giles, groceries	546 50
F. W. Gilbert, boots and shoes	58 35
W. A. Greenough & Co., directory	4 00
Ann Garrity, nursing	20 00
J. J. Guild, groceries	68 00
Edw. Hunnewell, board	52 17
G. F. Harvey & Co., medicine	21 10
Basil F. Hutchins, burial	15 00
E. C. Ingersoll, board	52 17
F. A. E. Jewell, groceries	239 00
Kingman & Co., groceries	39 00
M. L. King, groceries	14 00
M. A. Kimball, groceries	184 00
Charles Killgore, medicine	3 00
C. R. King, groceries	32 00
John E. Kaula, burial	15 00
M. D. Lewis, groceries	171 00
Howard Lowell & Son, carriage hire	10 00
Lincoln & Perry, printing	10 00
Ellen Mahoney, cash allowance	84 00
Maria L. Meserve, board	52 17
Massachusetts Hospital for Epileptics, relief of paupers	613 79
Medford-street Market, groceries	627 50
D. A. McKay, groceries	290 50
J. H. Maguire, groceries	273 00
Sarah E. Magee, board	58 20
Ann McCarvill, board	27 49

Amount carried forward \$12,673 93

Amount brought forward	\$12,673 93	
Massachusetts General Hospital, surgical treatment	3 00	
John S. McGowan, burial	10 00	
Murphy & Turnbull, burial	5 00	
Massachusetts State Sanatorium, relief of paupers	10 71	
New England Telephone & Telegraph Co., service	87 88	
Susan Nangle, groceries	6 00	
Edith Nutt, board	61 15	
A. M. Prescott, furniture moving	3 00	
M. H. Plummer, medicine	74 36	
Richard Pigott & Son, groceries	20 00	
P. H. Rafferty, burial	10 00	
A. E. Robie, groceries	208 00	
Russell & Co., groceries	5 00	
M. G. Staples, furniture moving	1 50	
R. M. Sturtevant & Co., groceries	799 50	
Charles H. Sands, groceries	400 00	
Somerville Journal Co., printing	29 90	
Somerville Hospital, care of sick poor	2,466 63	
Ascenith Sawyer, board and treatment	174 99	
Town of Pepperell, relief of paupers	146 83	
F. A. Teele, fuel	30 67	
Town of Attleboro, relief of paupers	117 25	
Town of Revere, relief of paupers	152 00	
Emiline K. Willis, board	52 17	
Wellington-Wild Coal Co., fuel	631 06	
D. E. Watson, groceries	52 00	
Francis M. Wilson, burial	5 00	
		<u>\$18,237 53</u>

Suppression of Gypsy and Brown-Tail Moths.

CREDIT.

Appropriations, from Taxes, 1906	\$4,111 88
Water Works Income account, amount transferred	1,000 00
Contingent Fund account, amount transferred	500 00
	<u>\$5,611 88</u>

Receipts:—

Cash, received of sundry persons	407 63
	<u>\$6,019 51</u>
Excess and Deficiency account, balance transferred	913 35
	<u>\$6,932 86</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,603 42
Charles E. Berry, labor on couplings	2 25
Joseph Breck & Sons, tree scrapers	3 75
American Express Co., expressing	5 43
Boston Elevated Railway Co., car tickets	10 00
T. A. Cunningham, brushes	3 80
H. & L. Chase, burlap	28 25
	<u>\$5,656 90</u>
Amount carried forward	

Amount brought forward	\$5,656 90	
William H. Clafin & Co., cutting burlap, etc.	8 82	
C. Ferguson, M. D., professional ser- vices	7 00	
H. L. Frost & Co., cutters and brushes	42 94	
Fellows & Co., ladders, etc.	46 34	
C. A. Grimmons, fares to Waltham	6 80	
Thomas Groom & Co., stationery	2 28	
Hale & Mayhew Co., labor, etc.	6 45	
Mabel E. Hall, cataloguing slips	12 00	
Marcella F. Kendall, clerical work	17 33	
McGrath & Woodley, books	14 00	
William G. Martin, sharpening tools	27 52	
G. F. McKenna & Son, use of teams	6 00	
Merrimac Chemical Co., arsenate lead	204 80	
Charles F. Mills, tool box	8 00	
New England Oil Co., oil	55 15	
W. E. Plumer & Co., supplies	111 23	
Page & Curtin, brushes	2 50	
Russell & Co., soap	84	
P. Sutherland & Co., oil	35 84	
Somerville Post-office, stamps	10 00	
Somerville Journal Co., printing, etc.	79 50	
Eva V. Tukey, clerical work	32 00	
O. & W. Thum & Co., tree tanglefoot	15 75	
Underhill Hardware Co., hardware	12 00	
E. C. Ware, tools	166 55	
Whitney & Snow, tools, etc.	35 62	
	<hr/>	
	\$6,624 16	
Highways Maintenance account, use of city teams	308 70	
	<hr/>	
		<u><u>\$6,932 86</u></u>

Taxes.

CREDIT.

Receipts:—		
Cash, received for taxes of 1901	\$120 37	
“ “ “ “ 1902	445 59	
“ “ “ “ 1903	1,141 08	
“ “ “ “ 1904	1,866 53	
“ “ “ “ 1905	254,175 01	
“ “ “ “ 1906	875,360 26	
	<hr/>	
		\$1,133,108 84
Overlay and abatement:—		
Abatements on taxes of 1900	\$545 72	
“ “ “ “ 1901	344 85	
“ “ “ “ 1902	888 76	
“ “ “ “ 1903	1,022 08	
“ “ “ “ 1904	938 10	
“ “ “ “ 1905	2,698 44	
“ “ “ “ 1906	8,662 58	
	<hr/>	
		15,150 53
Balance to debit of account, 1907:—		
Being uncollected taxes of 1901	\$164 18	
“ “ “ “ 1902	1,786 70	
	<hr/>	
Amounts carried forward	\$1,950 88	\$1,148,259 37

Amounts brought forward . . .	\$1,950 88	\$1,148,259 37
Being uncollected taxes of 1903 . . .	3,208 90	
“ “ “ “ 1904 . . .	3,948 16	
“ “ “ “ 1905 . . .	6,107 56	
“ “ “ “ 1906 . . .	234,823 44	
	<hr/>	250,038 94
		<hr/>
		\$1,398,298 31

DEBIT.

Balance from 1905	\$279,452 03	
Tax Levy, as per assessors' warrant of August 10, 1906	1,114,023 62	
Supplementary warrants, amounts credited to Overlay and Abatement account . . .	4,822 66	
	<hr/>	\$1,398,298 31
		<hr/>

Temporary Loans.

CREDIT.

Balance from 1905		\$350,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Note No. 599, ten months, 4 per cent.	\$50,000 00	
City Note No. 600, ten months, 4 per cent.	25,000 00	
City Note No. 601, six months, 4.4 per cent.	50,000 00	
City Note No. 602, six months, 4.4 per cent.	50,000 00	
City Note No. 604, six months, 4.4 per cent.	50,000 00	
City Note No. 605, seven months, 4.25 per cent.	100,000 00	
City Note No. 606, six months, 4.4 per cent.	25,000 00	
City Note No. 607, discounted, 4 3-8 per cent.	25,000 00	
City Notes Nos. 608, 609, 610, 611 (dis.), ten months, 4.53 per cent.	100,000 00	
City Note No. 612, ten months, 4.60 per cent.	50,000 00	
City Note No. 613, six months, 4.40 per cent.	75,000 00	
City Note No. 614, six months, 5 per cent.	50,000 00	
City Note No. 615, six months, 5 per cent.	25,000 00	
City Note No. 616, four months, 5 per cent.	50,000 00	
City Note No. 617, three months, 5 per cent.	15,000 00	
	<hr/>	\$740,000 00
		<hr/>
		\$1,090,000 00

DEBIT.
(Expenditures.)

Cash, paid as follows:—

City Note No. 595	\$100,000 00	
City Note No. 596	100,000 00	
City Note No. 597	100,000 00	
City Note No. 598	50,000 00	
City Note No. 602	50,000 00	
City Note No. 604	50,000 00	
City Note No. 607	25,000 00	
City Note No. 605	100,000 00	
City Note No. 599	50,000 00	
City Note No. 600	25,000 00	
City Note No. 601	50,000 00	
City Note No. 606	25,000 00	
City Note No. 617	15,000 00	
	<hr/>	
	\$740,000 00	
Balance to credit of account, 1907 . . .	350,000 00	
	<hr/>	
		\$1,090,000 00

Water Loan Interest.

CREDIT.

Water Works Income, amount appropriated . . .	\$3,935 00
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DEBIT.

Coupons maturing April 1, 1906:—	
\$67,000, six months, 4 per cent. . . .	\$1,340 00
Coupons maturing July 1, 1906:—	
\$25,000, six months, 4 per cent. . . .	500 00
\$10,000, six months, 5½ per cent. . . .	275 00
Coupons maturing October 1, 1906:—	
\$67,000, six months, 4 per cent. . . .	1,340 00
Coupons maturing January 1, 1907:—	
\$24,000, six months, 4 per cent. . . .	480 00
	<hr/>
	\$3,935 00

Water Maintenance.

CREDIT.

Water Works Income, amount appropriated . . .	\$25,000 00
Water Works Extension, amount transferred . . .	4,733 94
	<hr/>
	\$29,733 94
Excess and Deficiency account, balance transferred . . .	1,787 18
	<hr/>
	\$27,946 76

Receipts:—

Cash, received of sundry persons, costs . . .	\$45 00	
Sundry persons, pipe, fittings, etc. . . .	2,860 36	
	<hr/>	
		2,905 36
Stock and labor billed other departments:—		
Public Buildings Maintenance, City Build- ings account, labor	\$11 14	
	<hr/>	
Amounts carried forward	\$11 14	\$30,852 12

Amounts brought forward	\$11 14	\$30,852 12
Highways, Watering Streets account, labor,	178 06	
Highways, Paving Broadway, Bow and Summer Streets account, labor	10 00	
Highways Maintenance account, pipe	15 45	
Water Works Extension account, stock	14,104 84	
Highways Construction account, labor	30 00	
	<hr/>	14,349 49
		<hr/>
		\$45,201 61

DEBIT.

(Expenditures.)

Cash, paid laborers	\$15,131 87
Frank E. Merrill, salary as water com- missioner	2,300 00
disbursements	32 34
Edward M. Shedd, inspector	212 50
Charles E. Childs, inspector	774 00
Lillian E. Leavitt, assistant	780 00
Laura E. Peavey, assistant	600 00
Marcella F. Kendall, clerical services	133 33
Florence H. Plimpton, clerical services	110 67
Agnes F. Kennard, clerical services	64 00
American Express Co., expressing	11 34
Philip Aberle, stamps	305 00
The Albert Griffiths Saw Co., sharpen- ing tools	70
Frank F. Armstrong, barrels	3 00
Town of Arlington, pipe	240 85
Boston & Maine Railroad, freight	47 03
Braman, Dow & Co., fittings	550 42
Boston Elevated Railway Co., car tickets,	25 00
Charles Booth, wood	12 25
H. E. Bowman, services	4 75
D. J. Bennett, harness repairs	132 10
W. S. Burbank & Co., sawdust	1 50
Harold L. Bond & Co., packing	14 05
William B. Brown, sharpening tools	2 00
Builders' Iron Foundry, castings	63 50
Barber Asphalt Paving Co., paving	12 01
Boston Woven Hose & Rubber Co., hose	11 00
Boston Gear Works, tool	5 00
Louis A. Bacon, felt	16 25
Chadwick-Boston Lead Co., pipe	2,473 84
Chapman Valve Mfg. Co., valves	160 44
S. H. Couch Co., telephones	8 00
Coffin Valve Co., glands	8 40
A. B. Comins, express	5 00
William R. Conrad, pipe inspection	41 96
Carter's Ink Co., ink	1 13
City of Cambridge, casting	18 75
Chandler & Farquhar Co., tools	32 27
Crosby Steam Gage & Valve Co., charts,	4 00
James Doran, sharpening tools	5 00
Derby Desk Co., chair	8 00
Davenport-Brown Co., lumber	2 94
Davis & Farnum Mfg. Co., water post top	8 12
Amount carried forward	<hr/>
	\$24,374 31

Amount brought forward	\$24,371 31
Julian D'Este Co., fittings	18 18
Edison Electric Illuminating Co., power service	1 00
The Elliott Co., stencil fittings and repairs	52 35
F. W. Farrar, repairing water gage	2 00
J. H. Fannon, repairing concrete	7 00
The Fairbanks Co., valves	46 29
Fire & Water Engineering, subscription,	3 00
Fresh Pond Ice Co., ice	85 06
Gilman Express Co., expressing	8 62
Thomas Groom & Co., stationery	116 20
George W. Gale Lumber Co., lumber	22 78
Glines & Co., expressing	4 65
F. W. Gilbert, rubber boots	9 75
W. A. Greenough & Co., directory	4 00
Globe Gas Light Co., gasolene	17 25
Gifford Wood Co., steel	4 30
George E. Gilchrist Co., fittings	20 80
George A. Hibbard, stamps	40 00
Hersey Mfg. Co., meters, etc.	166 28
The Hale & Mayhew Co., repairing wagons	57 20
Henry C. Hunt Co., strips	1 80
Thomas Hollis Co., anodyne	2 00
Irland Pipe Wrench Co., wrench	1 50
Ideal Supply Co., soil pipe, etc.	6 53
Patrick Keating, overtime	19 13
Lord & Webster, hay	191 79
G. W. Ladd, horseshoeing	38 65
Lead Lined Iron Pipe Co., fittings	744 21
Cyril J. Larravee, lumber	171 23
T. E. Littlefield, lumber	11 34
C. W. Lerved & Co., disinfectant	10 00
I. G. Marston & Co., valves	32 10
W. G. Martin, sharpening tools	4 00
H. Mueller Mfg. Co., fittings	498 86
Thomas McNeill, expenses	15 00
Wesley A. Maynard, printing	16 50
Neptune Meter Co., meters	705 38
New England Telephone & Telegraph Co., service	224 01
New England Oil Co., oil	11 00
Norwood Engineering Co., hydrant, etc.,	300 79
National Paint & Varnish Co., paint	26 04
National Meter Co., meters	80 50
Osgood & Witherly, castings	199 32
Edward O'Brien, horseshoeing	104 25
Fulton O'Brien, hay, etc.	199 42
Outlook Envelope Co., envelopes	27 60
W. E. Plumer & Co., hardware	117 25
Proctor Brothers, oats	395 45
C. H. Paine, powders	5 00
Rensselaer Mfg. Co., valves	317 20
J. B. Rufer, horseshoeing	27 25
J. E. Richardson, services	14 00
Richards & Co., lead	455 04
Somerville Journal Co., printing	374 75

Amount carried forward \$30,409 91

Amount brought forward	\$30,409 91	
Somerville Iron Foundry, castings	384 55	
Shepard & Harding, hay	17 54	
E. S. Sparrow & Co., spade	75	
Sprague & Hathaway Co., irame	4 30	
Smith-Premier Typewriter Co., repairs	1 00	
Sumner & Gerald, fittings	28 80	
Standard Oil Co., oil	9 45	
Star Brass Mfg. Co., repairing gage	2 75	
Standard Cordage Co., packing	1 70	
Sanborn Map Co., correcting map	10 00	
S. H. Lewis, loam and sod	32 85	
Thomson Meter Co., meters	2,591 12	
Tufts & Sons, oats	128 63	
Thorpe's Express, expressing	50	
Union Water Meter Co., meters	2,609 50	
Underhill Hardware Co., hardware	132 10	
C. L. Underhill, repairs	201 20	
United Copper Foundry Co.,	234 07	
Union Glass Co., lantern globes	4 10	
Henry R. Worthington, meters	1,593 70	
Waldo Brothers, cement	77 58	
Walworth Mfg. Co., fittings	217 27	
R. Woodman Mfg. & Supply Co., wire	19 25	
S. Ward Co., stationery	32 76	
R. D. Wood & Co., hydrants	335 17	
A. J. Wilkinson & Co., tools	19 18	
Warren Foundry & Machine Co., pipe and castings	4,718 67	
William J. Wiley, paint	1 30	
Frederick B. Witherly, tools	6 80	
H. A. Winship, bag	2 00	
Willie C. Young, repairing lathe	16 78	
	<hr/>	
	\$43,845 28	
Sewers Construction account, pipe, etc.	170 60	
Sewers Maintenance account, constructing chambers	180 26	
Highways Maintenance account, construct- ing driveway	1,005 47	
	<hr/>	
		\$45,201 61

Water Service Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons, cost of services laid	\$3,929 80
Transferred to Water Works Extension account	3,929 80

Water Works, Abatements on Water Charges.

CREDIT.

Water Works Income, amount appropriated	\$1,000 00
Water Works Income, amount transferred	443 00
	<hr/>
	\$1,443 00
Water Works Income, appropriation returned	1,000 00
	<hr/>
	\$443 00

DEBIT.

Cash, paid sundry persons, money refunded	\$443 00
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Water Works Extension.

CREDIT.

Water Works Income, amount appropriated	\$20,000 00
Water Service Assessments account, amount transferred,	3,929 80
	<u>\$23,929 80</u>
Water Maintenance account, balance transferred . . .	4,733 94
	<u>\$19,195 86</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,193 23
Bartholomew Burke, contract labor	273 40
Boston Elevated Railway Co., labor	\$115 00
(Cash)	<u>115 00</u>
Richard Falvey, contract labor	200 46
H. G. Lamburn, contract labor	423 93
	<u>\$5,091 02</u>
Water Maintenance account:—	
pipe stock	5,467 95
meter stock	5,704 17
service stock	2,932 72
	<u>\$19,195 86</u>

Water Works Income.

CREDIT.

Metered Water Charges, last quarter 1906 uncollected .	\$26,272 58
Receipts:—	
Commonwealth of Massachusetts, proportion of water receipts, 1906	800 30
Water Works, Abatements on Water Charges, amount transferred	1,000 00
Cash, received of sundry water takers	\$200,590 76
Less abatements	<u>448 10</u>
Total income, sales of water	200,142 66
	<u>\$228,215 54</u>

DEBIT.

Water Maintenance account, amount appropriated	\$25,000 00
Fire Department, amount appropriated	24,500 00
Reduction of Funded Debt, Sewer Loan Bonds, amount appropriated	18,000 00
Reduction of Funded Debt, Water Loan Bonds, amount appropriated	6,000 00
Water Loan Interest, amount appropriated,	3,935 00
Sewer Loan Interest, amount appropriated,	8,827 50
	<u>\$86,262 50</u>
Amount carried forward	\$86,262 50

Amount brought forward	\$86,262 50	
Water Works Extension account, amount appropriated	20,000 00	
Sewers Maintenance account, amount appropriated	12,000 00	
Water Works, Abatements on Water Charges, amount appropriated	1,000 00	
Commonwealth of Massachusetts, Metropolitan Water Assessment	97,160 08	
Reduction of Funded Debt account, balance transferred	10,792 96	
Suppression of Gypsy and Brown-tail Moths, amount transferred	1,000 00	
	<hr/>	<hr/>
		\$228,215 54

Table D. —Balances December 31, 1906.

Cash	\$92,876 74	
Assessors	171 31	
City Messenger	8 49	
City Solicitor	114 67	
City Treasurer	343 47	
Contagious Disease Hospital, Department Accounts	2,329 24	
Election Expenses, Pay of Election Officers	19 00	
Fire Department	651 77	
Health Department	3,175 42	
Health Department, Collection of Ashes and Offal	4,641 06	
Highway Betterment Assessments	2,990 95	
Suppression of Gypsy and Brown-tail Moths	913 35	
Highways, Watering Streets	5 33	
Metered Water Charges	26,272 58	
Police	5,262 08	
Public Buildings Maintenance:—		
City Buildings	1,996 70	
Janitors' Salaries	1,149 57	
Schoolhouses	4,639 54	
Public Library Isaac Pitman Fund, Investment	5,314 58	
Public Property	5,144,662 92	
Real Estate Liens	2,340 61	
School Contingent	2,540 91	
School Teachers' Salaries	741 21	
Sealer of Weights and Measures	38 65	
Sewer Assessments	3,958 46	
Sidewalk Assessments	5,543 82	
Soldiers' Relief	279 00	
State of Massachusetts	19,760 96	
Support of Poor, City Home	398 47	
Taxes	250,038 94	
City Auditor		\$19 63
City Clerk		478 60
City Engineer		42
Contingent Fund		886 87
	<hr/>	<hr/>
Amounts carried forward	\$5,583,179 80	\$1,385 52

Amounts brought forward	\$5,583,179 80	\$1,385 52
Coupons Unpaid		22,175 00
Election Expenses:—		
City Clerk		306 63
Commissioner of Public Buildings		16 05
Registrars of Voters		253 67
Electrical Department		1,241 63
Electrical Department, Underground Construction		239 80
Executive Department		99 29
Funded Debt	1,464,500 00	
Grade Crossings		373 51
Health Department:—		
Contagious Disease Hospital		5,392 55
Medical Inspection in Public Schools		8 31
Highways Construction		2,879 89
Highways Maintenance		1,926 60
Highways, Paving Broadway, Bow and Summer Streets		688 04
Inspection of Buildings		6 53
Interest		6,628 21
Military Aid		111 50
Overplus on Tax Sales		118 13
Overlay and Abatement		9,008 11
Printing and Stationery		393 91
Property and Debt Balance	3,680,162 92	
Public Buildings Construction, Luther V. Bell School		
Fire Escapes		59 30
Public Buildings Maintenance, Fire Department		1,070 14
Public Grounds		37
Public Library		16 98
Public Library, Isaac Pitman Fund, Art		4,251 66
Public Library, Isaac Pitman Fund, Poetry		1,062 92
Public Library, Isaac Pitman Fund, Income, Art		158 36
Public Library, Isaac Pitman Fund, Income, Poetry		79 83
Reduction of Funded Debt	18,593 35	
Sewers Construction		3,454 11
Sewers Maintenance		75 68
Street Lights		2,444 79
Sundry Persons		524 21
Support of Poor, Miscellaneous		1,685 12
Temporary Loans	350,000 00	
Water Maintenance		1,787 18

<u>\$5,583,179 80</u>	<u>\$5,583,179 80</u>
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APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 23, 1907.

To the Board of Aldermen of the City of Somerville:—

Gentlemen,—The committee on finance, to which was referred the report of the treasurer and collector of taxes for the year 1906, reports that the examination has been made as called for by section 7 of chapter 4 of the Revised Ordinances of 1900.

The cash account has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been confirmed by the officers of the banks.

The report of the expert accountant, Edwin L. Pride, who made the examination of the books to January 1, 1907, verifies the accounts of the treasurer and collector, and the committee recommends that the report be accepted and printed in the annual reports of 1906.

(Signed)

LEONARD W. COLE,	}	<i>Committee</i> <i>on</i> <i>Finance.</i>
J. FRANK MIXER,		
DAVID C. THEALL,		
THOS. W. SUTHERLAND,		
C. S. MCFARLAND,		
DAVID BERGLIND,		

In Board of Aldermen, February 28, 1907. Accepted.

HOWARD E. WEMYSS, Assistant City Clerk.

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, January 3, 1907.

Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

G. A. SOUTHWORTH,
Secretary of School Board.



LATIN SCHOOL.

SCHOOL COMMITTEE, 1906.

FREDERICK A. P. FISKE,	. . . . .	Chairman
GEORGE E. WHITAKER,	. . . . .	Vice-Chairman

Members.

EX-OFFICIIS		Term expires January.
CHARLES A. GRIMMONS, Mayor,	72 Thurston street.	1907
SIDNEY B. KEENE, Pres. Board of Aldermen,	56 Fellsway West.	1907
WARD ONE.		
WILLIAM W. KENNARD,	15 Hathorn street.	1907
DR. HENRY F. CURTIS,	145 Perkins street.	1908
WARD TWO.		
JOHN H. O'NEIL,	44 Oak street.	1907
DANIEL H. BRADLEY,	19 Concord avenue.	1908
WARD THREE.		
WILBUR S. CLARKE,	40 Vinal avenue.	1907
GEORGE E. WHITAKER,	75 Walnut street.	1908
WARD FOUR.		
WILLIAM P. JONES,	13-A Maple avenue.	1907
CHARLES A. KIRKPATRICK, JR.,	27 Sewall street.	1908
WARD FIVE.		
J. WALTER SANBORN,	183 Central street.	1907
HENRY H. FOLSOM,	103 Central street.	1908
WARD SIX.		
CHARLES H. HOOD,	2 Benton road.	1907
FREDERICK A. P. FISKE,	44 Cherry street.	1908
WARD SEVEN.		
MRS. HENRIETTA B. H. ATTWOOD,	12 Park avenue.	1907
DR. GEORGE C. MAHONEY,	97 College avenue.	1908

Superintendent of Schools.

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.
Residence: 40 Greenville street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Cora S. Fitch, Superintendent's clerk, 75 Benton road.

Mary A. Clark, Superintendent's clerk, 42 Highland avenue.

STANDING COMMITTEES, 1906.

High Schools.—Sanborn, Mahoney, Curtis, O'Neil, Clarke, Kirkpatrick, Fiske.

District I.—Kennard, Curtis, Jones.

PRESCOTT, HANSCOM, DAVIS, BENNETT.

District II.—O'Neil, Bradley, Clarke.

KNAPP, PERRY, BAXTER.

District III.—Clarke, Whitaker, Bradley.

POPE, BELL, CUMMINGS.

District IV.—Jones, Kirkpatrick, Grimmons.

EDGERLY, GLINES.

District V.—Sanborn, Folsom, Keene.

FORSTER, BINGHAM.

District VI.—Hood, Fiske, Folsom.

CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mrs. Attwood, Mahoney, Hood.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Hood, Sanborn, Curtis, Bradley, Whitaker, Jones, Mahoney, Grimmons, Keene.

Evening Schools.—Whitaker, Fiske, Folsom.

Finance.—Bradley, Kennard, Jones, Grimmons, Keene.

Industrial Education.—Curtis, Mrs. Attwood, Clarke.

Music.—Mrs. Attwood, Hood, O'Neil.

Private Schools.—Kirkpatrick, O'Neil, Mahoney.

Repairs of School Buildings.—Mahoney, Kennard, Folsom.

Rules and Regulations.—O'Neil, Hood, Fiske.

Salaries.—Fiske, Sanborn, Whitaker.

Supplies.—Clarke, Bradley, Sanborn.

Text-Books and Courses of Study.—Jones, Whitaker, Kennard, Bradley, Folsom, Hood, Mrs. Attwood.

Vacation Schools.—Kennard, Jones, Kirkpatrick.

Note.—The member first named is chairman.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

I have the honor to submit the thirty-fifth annual report of the superintendent of schools, being the fourteenth that the present incumbent of the office has made. While according to custom this report may be adopted as the report which the statute requires the committee to make annually to their fellow-citizens, it should be understood that no one is responsible for what it contains except the superintendent himself. In its general arrangement the usual order of topics will be followed, and there is first presented a

Summary of Statistics.

United States census, 1890.....	40,117
State census, 1895.....	52,200
United States census, 1900.....	61,643
State census, 1905.....	69,272
Children between five and fifteen years of age, October, 1905, by school census.....	11,969
Children between five and fifteen years of age, October, 1906, by school census.....	12,068
Increase	99

2.—SCHOOL BUILDINGS.

	1905.	1906.	Increase.
Number of school buildings.....	26	26	0
Number of classrooms.....	269	279	10
Valuation of school property.....	\$1,395,000		

3.—TEACHERS.

	1905.	1906.	Increase.
In high schools.....	48	54	6
In grammar schools.....	153	158	5
In primary schools.....	99	99	0
In kindergartens.....	8	8	0
Total in elementary schools.....	260	265	5
Special	7	7	0
Total	315	326	11

4.—ATTENDANCE FOR YEAR.

	1905.	1906.	Increase.
Entire enrollment for the year.....	14,296	14,551	255
Average number belonging.....	11,543	11,762	219
Average number attending.....	10,897	11,070	173
Per cent. of daily attendance.....	94.4	94.1	—0.3
High school graduates.....	211	208	—3
Grammar school graduates.....	606	640	36

5.—ATTENDANCE IN DECEMBER.

	1905.	1906.	Increase.
Whole number attending.....	13,882	14,096	214
In private schools.....	1,764	1,748	—16
In public schools.....	12,118	12,348	230
In high schools.....	1,361	1,480	119
In elementary schools.....	10,562	10,664	102
In kindergarten.....	195	204	9
In first grade.....	1,581	1,526	—55
In second grade	1,456	1,473	17
In third grade.....	1,336	1,352	16
In fourth grade.....	1,274	1,292	18
In fifth grade.....	1,189	1,240	51
In sixth grade.....	1,152	1,109	—43
In seventh grade.....	967	1,003	36
In eighth grade.....	917	872	—45
In ninth grade.....	690	797	107

6.—COST OF SCHOOL MAINTENANCE.

	1905.	1906.	Increase.
Salaries of teachers.....	\$254,697.12	\$260,796.46	\$6,099.34
Salaries of officers.....	4,900.00	5,400.00	500.00
Cost of books and supplies...	20,136.82	22,589.08	2,452.26
Cost of light.....	4,344.95	2,874.75	—1,470.20
Cost of janitors' services.....	21,949.25	23,143.32	1,194.07
Cost of fuel.....	15,166.43	14,161.92	—1,004.51
Telephones	482.26	380.24	—102.02
Total cost of day and evening schools	321,676.83	329,345.77	7,668.94
Per capita cost.....	27.87	28.00	0.13
Cost of high school instruction	57,011.15	59,729.50	2,718.35
Per capita cost.....	45.79	43.82	—1.97

7.—MISCELLANEOUS.

	1905.	1906.	Increase.
Paid for new school buildings	\$51,987.40	\$38,457.32	—\$13,530.08
Repairs and permanent improvements	8,305.48	11,950.85	3,645.37
Total school expenditures	381,969.71	379,753.94	—2,215.77
Valuation of city.....	59,146,600.00	60,371,500.00	1,224,900.00
Number of dollars spent to maintain schools out of every \$1,000 of valuation.....	5.44	5.46	0.02
Number of dollars spent for all school purposes out of every \$1,000 of valuation..	6.46	6.29	—0.17

The School Year. The schools have been in session 895 hours on 179 days of the year, ten and one-fifth per cent. of the entire time. The theoretical year of forty weeks has been shortened by the loss of six sessions for stormy weather and thirty-six sessions for holidays and other causes, a total of twenty-one

days. Aside from these, and the customary prevalence of children's diseases in primary grades, there have been no serious interruptions of any sort in the work of the schools. There has been the general hearty co-operation of teachers, parents, and pupils, without which the best results are impossible. Of course there has been here and there a little friction, but much less than the difficulty of keeping 12,000 children constantly occupied and headed in the right direction would lead us to expect.

School Population. The increase in the school population of the city is approximately shown by the comparatively useless annual school census which the statutes require. The greatest pains have been taken to secure exact returns, but comparisons with the more reliable reports from the schools show unmistakable inaccuracies.

The following table shows the results of the census takers' canvass.

	1906.	1905.	Change.
Ward 1	1,974	1,929	+45
“ 2	2,569	2,536	+33
“ 3	1,148	1,100	+48
“ 4	986	1,042	--56
“ 5	1,908	1,911	—3
“ 6	1,979	1,972	+7
“ 7	1,504	1,479	+25
Total	12,068	11,969	+99

There appears to have been a gain of ninety-nine children between five and fifteen, the ages covered by the census, as compared with last year. The more accurate basis of comparison, the school registration December 15, shows 12,348 children of all ages in the schools, in contrast with 12,118 at the same date in 1905, an increase of 230.

We estimate the general population of the city in three ways,—(1) on the basis of poll-tax payers, (2) on school census returns, and (3) on school registration December 15,—as follows:—

1. On basis of poll-tax payers.....	72,189
2. On basis of census returns.....	69,849
3. On basis of school registration.....	70,588
Average of the three.....	70,875

It is probable that this average indicates the present population of the city fairly well.

During 1906 a general effort has been made throughout the Commonwealth by state and municipal authorities to secure a rigid enforcement of the school attendance laws, to suppress illegal child labor, and ensure the presence in school of every minor until he had passed his fourteenth birthday. Even with the utmost vigilance some will escape official attention. The

seemingly superfluous requirement of exacting a reading and writing certificate from every minor employee, even when his literacy is conspicuous, does not accomplish the object.

Our city receives its constantly-increasing share of the immigrants that flock to our hospitable shores. Unless educated they are a menace to our institutions, and no pains should be spared to secure for both young and old among them such education and training as shall fit them for intelligent and loyal citizenship. Until illiterates have passed the age of sixteen, they must attend day schools, and evening schools till they have reached the age of twenty-one. The most of them welcome their opportunities, but not a few indifferent ones elude the vigilance of the authorities.

Age and schooling certificates are required by employees from all minors under sixteen, attested by oath and signature of parent and signature of the superintendent of schools.

We have issued these certificates as follows:—

In 1905..... 329 In 1906..... 387

These children left the grammar school for work, from
Grade VI..... 56 Grade VII..... 62 Grade VIII... 61

This number is somewhat larger than usual, owing probably to prosperous business conditions. It is indirectly a public misfortune that these 400 boys and girls cannot be retained in school long enough at least to complete the grammar school course. Another year added to the compulsory school age would mean much to these children.

School Attendance. There have been enrolled in the schools in 1906 14,551 different pupils of all ages. A portion of these have attended only a part of the year.

One thousand two hundred and forty entered Grade I. in September.

Three hundred and twenty-three dropped out during the year to go to work.

Three hundred and seventy-four left school after graduation.

One thousand two hundred and fifty-nine have moved into the city and entered the schools during the year.

A certain number have been quarantined for a portion of the time on account of contagious diseases.

The average membership of the schools for the year has been 11,762, an increase of 219 for the year.

Five and nine-tenths per cent. of this number have been absent all the time mainly on account of illness, but too frequently for unsatisfactory reasons. Including all pupils who are dropped out from the average number belonging, on account of quarantine rules, it is probable that there is a continual absence of about eight per cent. of the membership of the schools. This is, of course, a loss of eight per cent. in the cost of school main-

tenance, a matter of \$25,000 a year. Not all this loss is preventable. It is probable that the installation of a system of medical inspection will materially reduce absences from sickness in the long run, and in this way will doubtless save to the city practically the cost of its maintenance.

Next in value to the man that can carry a "message to Garcia" is the one that invariably meets all his business engagements promptly without the loss of time. Among the virtues that teachers seek to make habitual is this one of unvarying punctuality. Hence the constant struggle to keep the tardinesses of pupils down to a minimum. Teachers have been rather less successful this year in doing this than heretofore, the number of tardinesses having increased from 3,746 in 1905 to 4,046 in 1906. This shows that out of every 946 opportunities, each child has been tardy once. More than one-half of these delinquencies are chargeable to little children in the lowest four grades, and generally result from the indifference of parents or untoward home conditions.

There have been 2,586 dismissals of pupils before the close of the school session. It is probable that by far the largest part of these might easily have been avoided had the parents realized the loss thus incurred. It should be impressed upon children that their school work is a business with which nothing but unavoidable conditions should interfere. To surrender it for any form of pleasure or personal gratification or for slight causes is fixing a habit of conduct that will prove a source of weakness in the future. Parents frequently do not recognize that insistence by teachers on what appear to be comparatively unimportant matters is a well-designed attempt to ground the child in vital principles of conduct and life.

It is gratifying to note a slight decrease in the number of corporal punishments from 352 last year to 326 this year. One hundred and thirty-six teachers out of 252 in the grammar and primary classes have not used the rod during the year. When we realize the perversity of human nature and the weakness of parental government and training, we shall not be surprised to find that three children out of a hundred need chastisement at least once a year,—about the proportion that our school records show. It is the nearly unanimous sentiment of teachers that the discipline of the home is growing less influential, that more skill and power are required to control and manage boys, that it is more and more difficult to secure exemplary conduct and close attention to business. A deliberate, temperate, just use of physical force on occasion is salutary and may be the saving of a boy. Hasty or ill-considered punishment or a resort to forms of discipline by tongue or hand that are far more objectionable are injurious to the child and indicative of unfitness on the part of the teacher. It is no excuse for teachers, that even mothers, with all their tender sympathy and ardent love for their off-

spring, often lose their patience and use methods of government that they themselves would most emphatically condemn in teachers.

On the fifteenth of December the number of pupils in the schools was as follows:—

	1906.	1905.	Increase.
In the Latin School.....	432	444	—12
In the English School.....	1,048	917	131
In the elementary schools.....	10,664	10,562	102
In the kindergartens.....	204	195	9
A total of.....	12,348	12,118	230

Adding to this number the 1,748 pupils in private schools, we have a total of 14,096 school children in the city, practically one-fifth of our population.

School Accommodations. The only addition to our school accommodations made this year is the enlargement of the Latin schoolhouse, designed to relieve the deplorable congestion of the last few years in the high schools. This enlargement of four floors, begun in the fall of 1905 and occupied September, 1906, contains nine classrooms and six recitation rooms, and furnishes opportunities for instruction by fifteen teachers.

There are limited toilet facilities for pupils in the basement. Heat is furnished from the old plant, but an additional fan aids in its distribution and in ventilation. The annex is connected with the English building by a covered, heated, well-lighted passageway.

In the old Latin building one classroom has been surrendered for a library and two classrooms to secure an assembly hall which should prove of great value to both schools and to the school public in general.

In the annex the three classrooms on the fourth floor and one classroom and a recitation room on the third floor are in use by the Latin school. This nets that school a gain of twenty seats for pupils and two additional rooms for recitation purposes. There are now 477 seats for pupils and fifteen rooms for teaching in the Latin school.

The first and second floors and half the third floor of the annex, containing five classrooms and five recitation rooms, are in use by the English school, thus furnishing 287 seats for pupils and ten rooms for instruction. This releases the clothes closets and storerooms in the English building for their original and legitimate uses. All told, there are now available in the English school 1,087 seats for pupils and rooms in which thirty-seven teachers may give instruction at the same time.

It is interesting to notice how these 1,087 seats have been secured, for it helps to show how wholly inadequate the present

arrangement is for the suitable accommodation of the English school. There were 541 seats in the English building when it was first used. Since then one room has been taken for mechanical drawing, leaving 500 seats; twenty-four seats have been crowded into the biological laboratory; the lecture hall has been diverted from its original uses and furnished with 159 seats; 128 seats have been gained by dispensing with certain aisles and placing desks end to end; twenty-one seats have been put into a small recitation room; and the normal number of seats furnished by the annex is 245. An unwarrantable sacrifice has been made in securing seats by placing desks end to end, because (1) in a mixed high school, for obvious reasons, each pupil should have an independent, isolated seat, and (2) when sixty-odd pupils are seated in a room whose cubic air space of 250 feet and whose fresh air inlet of thirty feet per minute for each occupant are designed for only forty-eight pupils, hygienic principles are violated and health endangered.

The annex not only supplies the present needs of the Latin school, but will provide for its probable growth for some time to come. For the English school, however, the annex furnishes only temporary and partial relief. The inconvenience and loss of time resulting from the separation of the school are manifest, but these things are permanent, and we must accustom ourselves to them. Aside from the additional room that the natural growth of the school will demand,—namely, accommodations for 100 additional pupils in September, 1907,—there are some urgent needs which must be supplied before the school reaches its greatest efficiency and provides adequately such forms of education as a progressive community demands and which are furnished with generous wisdom by other municipalities. These have been mentioned in previous reports, but are repeated here that they may not be forgotten. They are:—

- (1) Suitable quarters for manual training, with a view to its extension.
- (2) Enlarged facilities for commercial work.
- (3) A readjustment of seats and the release of the lecture hall for its original purposes.
- (4) More room for the library.
- (5) Thoroughly-equipped gymnasiums for both sexes.
- (6) Additional room for the chemistry department.
- (7) Facilities for the teaching of domestic science.
- (8) A suitable lunch room accessible to both schools.

How these necessities are to be secured,—whether by the addition of wings to the present building, or by a separate structure,—it is not for me to say. They should be kept in mind, however, by the proper authorities, and enter into any plans that may be made for meeting our educational wants.

Additional Accommodations for Elementary Schools. The additional accommodations needed for elementary schools are

identically such as were fully outlined in last year's report, although now more obvious than then. They will be briefly restated.

Ward One. The enlargement of the Hanscom school by the addition of four rooms was recommended last year. There are now 150 children on half time in the Prescott and Hanscom schools. This number will of necessity be increased another year. The proposed addition will also relieve the crowded condition in the Edgerly and Davis schools. It is centrally located, can be economically provided, and will fully meet the needs.

Ward Two. We have been obliged again to open the ward room in the Knapp school for fifty first-grade children. This room is objectionable, and its use is to be deprecated. Another year the schools in this ward will overflow, and the enlargement of the Perry schoolhouse contemplated when land was bought and the present building planned will soon need to be made.

Ward Four. The transfer of children from the Forster to the Proctor has enabled us to send pupils from the Glines to the Forster, and in this way to dispense with half-time conditions and to abandon the use of the ward room in the Glines. This has afforded needed relief to the Edgerly.

Ward Six. The six school buildings of this ward are filled to their utmost capacity. Two rooms in the Brown school have had sixty pupils each since September. The recommendation of an enlargement of this school building to contain six or eight rooms and an assembly hall, made last year, is here urgently renewed. The building is centrally situated in a locality almost filled with new houses and destined in a short time to be very populous. It would furnish a much-needed grammar school centre, and would somewhat relieve ward seven as well as ward six, on the borders of which wards it is located.

Ward Seven. The four school buildings in ward seven are filled to repletion, some rooms containing sixty pupils. Two rooms now in use in the Hodgkins will be abandoned as soon as more suitable ones are provided. The Clarendon-hill section will surely continue the rapid growth of the last two years, and immediate provision should be made for relief. If the capacity of the Lincoln school could be doubled, or if six rooms could be provided by raising the Hodgkins building, the urgent demands of the situation would be met. The recommendation of last year is again made.

To recapitulate the needs for additional accommodations for grammar and primary schools in the order of urgency,—

- (1) Enlargement of Hanscom school, ward one.
- (2) Enlargement of Brown school, ward six.
- (3) Enlargement of Lincoln or Hodgkins school, ward seven.

Concerning Teachers. Exclusive of fifty-nine teachers employed in the evening school, there are 326 teachers at the present in the service of the city, twenty-nine of whom are men. The year has been a notable one on account of the large number of changes in the teaching force. Thirty-two teachers have resigned during the year, and one has died. Of this number, fourteen have resigned to be married, ten have left us to occupy more desirable positions as teachers elsewhere, and eight have relinquished teaching altogether. This last number includes four faithful and efficient teachers who have served the city for an average period of more than thirty years. They are Misses Sarah W. Fox, Adelaide A. Anderson, Amelia I. Sears, and M. Frances Guptill. Two others, Miss Jennie C. Frazier and Mrs. Carrie L. Bliss, had taught nearly twenty years. The financial indebtedness of the city to these teachers has been discharged. There is due them, however, a debt of appreciative gratitude from the public at large and from the hundreds whose lives have been affected by their influence and instruction.

The average term of service in Somerville of the teachers who have resigned, excluding those whose names have been mentioned, is four years and eight months, ten of them having taught two years or less.

To fill the vacancies caused by these resignations and to meet additional requirements, thirty-nine teachers have been elected during the year. The new teachers have been selected with great care. They have all had professional training and successful experience. It is growing increasingly difficult for us to secure the best teachers. Other municipalities have increased salaries, so that we can offer to fewer teachers financial attractions. Moreover, the supply of trained teachers is now everywhere less than the demand. All sorts of gainful occupations besides teaching are open to young women. These demand a shorter period of preparation and offer a quicker attainment of an attractive salary, with less responsibility and nervous strain. Nevertheless, the only way to improve schools is by improving the teachers. It will not do to lower the standard that we have so long maintained, even for so laudable a purpose as providing Somerville residents with an opportunity for self-support.

It is to be regretted that the teaching profession, if it can be called such, does not present sufficient attractions to secure and to retain the services of women qualified by nature, education, and training to meet the needs of our schools. The salary paid the ordinary teacher is barely sufficient for her support, provided she meets the public expectation and demand in her style of living. When I came to Somerville in 1873, all grade teachers were paid \$650, the same that they receive to-day. During these thirty-three years the salary of grammar masters has been raised \$100. The increase in the cost of living since that day, to say nothing of the increased demand upon the time,

strength, and attainment of teachers, has made no difference in the salary paid. In this year of unexampled prosperity in every line of business, when dividends are large and when wages are being generally increased, many municipalities in various sections of the country are recognizing and meeting the claim that teachers should share in the general prosperity.

In many places where salaries are being increased a new departure is making in the method of applying the increase. Very generally as with us the increase of salary has been based entirely on length of service. Now the increase is made on the ground of merit. It is the progressive teacher who is constantly increasing her efficiency and value by study and self-improvement that receives the increase. All recognize the justice of this method. With us the poorest teacher in the city is paid as much as the best, an equality that is not found in other lines of business. If we retain our best teachers and are to attract others, the salaries for superior work must be larger. We can afford to pay \$700, at least, for the best teachers, and while it is difficult to discriminate in favor of some and against others, I recommend a modification of the rules so that such an increase based on merit may be made in individual instances.

I introduce another recommendation by presenting the following table, which shows how long our present teachers have been in service in Somerville:—

Less than 1 year.	33	12 years.....	8	24 years.....	5
1 year.....	19	13 ".....	12	25 ".....	1
2 years.....	20	14 ".....	6	26 ".....	2
3 ".....	24	15 ".....	8	27 ".....	2
4 ".....	18	16 ".....	6	28 ".....	2
5 ".....	18	17 ".....	5	29 ".....	1
6 ".....	17	18 ".....	5	30 ".....	1
7 ".....	16	19 ".....	2	32 ".....	4
8 ".....	10	20 ".....	3	34 ".....	2
9 ".....	20	21 ".....	4	35 ".....	1
10 ".....	18	22 ".....	3	38 ".....	1
11 ".....	15	23 ".....	3	39 ".....	2

It will be seen that half our teachers have been employed six years or less, and that one-tenth of them have taught in the city twenty years or over. The most of these teachers who have taught with us for from twenty to thirty years have given continuous service without rest or intermission save such as the ordinary vacations afford. Every one concedes that teaching is exhausting work. Teachers need not only physical, but intellectual renewing. There is a growing recognition of this need, and some cities are amending their rules so that teachers may take occasionally a year for study and travel and recuperation. Very few teachers can afford to do this, and their increased value to their employers is recognized by the payment of one-half of the regular salary during such period of absence. In several

cities teachers are allowed to take every seventh year for study and travel on half-pay, provided they agree to continue in the service of the city for at least three years. Besides this provision, Boston has recently made another, that a teacher may be absent a year on half-pay after twenty years of continuous service simply for rest, without study or travel. It certainly seems that not only a reward for long and faithful service may well be given in this way to worthy teachers, but that the city besides would gain in increased freshness and vigor and enthusiasm on the part of its best teachers. I ask the board to consider this matter and recommend the adoption of some such plan.

Another effect of inadequate salaries and one that leads teachers to accept almost any way of escape is the inability to provide for the future. Under existing conditions there is a limit to a teacher's efficiency. The dead line is being reached at a constantly decreasing age. With the utmost economy, no teacher on the ordinary salary can lay up enough to provide for respectable support after her teaching days are ended. Hence the very general movement in favor of pensions or annuities for teachers after long service. These are provided by almost every European government. Many cities in our own country have made a similar provision. There are organizations of teachers whose aim it is to provide annuities by assessment among their own number. A bill was introduced into the last Legislature providing for the payment of pensions to teachers by cities and towns. Although it failed to become a law last year, some similar enactment is sure to come in the not distant future. When a teacher feels that her tenure is secure, that a fair living salary is assured, and that provision is made for her old age, she will be much more likely to continue her work, and will certainly render a heartier and more contented service. These ideal conditions of permanency of tenure, satisfactory salary, and retirement on half-pay after thirty years of service already exist in the city of New York, with the result that the strongest teachers in the country are attracted thither and are making the schools of the metropolis the best in the land.

The attempt to secure a pension law in this state will be renewed in the coming Legislature, and, on behalf of the teachers of Somerville, as well as in the interest of the schools, I ask the influence of the members of this board in favor of securing its enactment.

The Latin School. At the present time the membership of this school is 432. A year ago it was 444, showing a decrease of twelve. The classes number as follows:—

	1905.	1906.	Change.
Senior	93	83	—10
Junior	92	101	+9
Sophomore	120	124	+4
Freshman	139	124	—15

The average number of pupils for each of the fifteen teachers, inclusive of principal who teaches ten periods per week, is twenty-nine; exclusive of the principal it is thirty-one. Six, or forty per cent., of the teachers are men. It should be added that the principal teaches laboratory physics five hours, or one day a week, in addition to the five days required by the rules, a condition for which some remedy should be found.

The working conditions of the school have been greatly improved by the addition of rooms in which instruction may be given. While the number of pupils is less than last year, two more teachers are employed, and the class unit is more nearly what it should be.

There have been important changes in the teaching force during the year. After a service of thirty-five years, Miss Sarah W. Fox declined a re-election on the ground that "strength is no longer equal to the work." The feeling of the city toward Miss Fox is voiced by the following tribute taken from the records of the committee:—

The school committee of Somerville accepts with great regret the declination of Miss Sarah W. Fox, of the Latin school, to be a candidate for re-election this year.

First elected in March, 1868, Miss Fox has served the city with signal ability and fidelity for thirty-five years. During this time the number of graduates has grown from seventeen in 1868 to 217 in 1906, and the membership of the high school has increased tenfold.

Through the whole of this remarkable period of service Miss Fox has been a forceful factor in the success of the school. Strong as an executive, painstaking and thorough as an instructor, invariably inspiring respect and confidence, and securing by her warm, personal interest and the nobility and strength of her character an exceptional power over every student, she has exerted an influence that has been felt not only by the school as a whole, but one that has entered into the life and character of every one fortunate enough to come in contact with her.

Her memory will be honored by all who have been associated with her as teachers, by the city so greatly indebted to her, and by the thousands she has led to better life and higher achievements.

We tender to Miss Fox the grateful thanks of the citizens of Somerville for all that she has done through these years to promote the interests of our schools, and assure her that she carries with her in her retirement our highest esteem and most earnest wishes for future prosperity and happiness. The satisfaction that springs from the retrospect of successful service unselfishly rendered will surely be hers.

The estimation in which Miss Fox was held by the graduates of the school is shown in their gift of \$750 to her.

The vacancy caused by her resignation was filled by the election of William D. Sprague, H. U., '94, at the time the principal of Dummer academy.

Frank H. Wilkins, B. U., '98, was chosen to fill the place left vacant by the resignation of Frederick C. Hosmer, now the principal of the high school in Shrewsbury.

Two additional teachers were employed, Isabel G. Higgins, B. U., who was a teacher in this school from 1892 to 1897, and F. Gertrude Perkins, Smith, '00, from the Braintree high school.

The addition to the teaching force secures the greater efficiency of the school, and gives to each student a due share of the attention of instructors. It still remains to secure some arrangement to render unnecessary the extension of the school week for certain pupils and two of the teachers to include Friday afternoon in order to accomplish college requirements in physics.

The numbers pursuing each study is shown in the following table:—

English	430	French	106
History	225	German	185
Mathematics	431	Greek	121
Physics	55	Drawing	15
Latin	428	Chemistry	11

The extent to which pupils drop out of the school during the course of four years is shown below. It will be seen that of those that enter the school, fully two-thirds remain to complete the course.

TABLE SHOWING LOSSES OF CLASSES IN LATIN HIGH SCHOOL EACH YEAR SINCE 1898.

MEMBERSHIP.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.	Class of 1909.	Class of 1910.
December 15, 1st year .	89	77	64	103	111	125	121	136	139	124
“ 2nd “ .	80	73	47	93	97	106	112	120	124	...
“ 3rd “ .	64	64	49	88	95	93	92	101	...	...
“ 4th “ .	65	62	60	84	81	93	83	...	...	...
Graduates	56	56	46	73	76	81	...	...	...	...
Loss per cent. 1st year .	10.1	5.2	26.5	9.7	12.6	15.2	7.4	11.8	10.8	...
“ “ 2nd “ .	20.0	12.3	4.3*	5.4	2.1	14.0	17.9	15 8	...	...
“ “ 3rd “ .	...	3.1	22.4*	4.5	14.7	0.0	9.8	...	...	...
“ “ 4th “ .	13.8	9.7	23.3*	13.1	6.1	12.9	...	...	...	...
Total	37.0	27.3	28.1	29.1	31.5	35.2	...	...	...	...

*Gain.

In June last the school graduated eighty-one, thirty-three boys and forty-eight girls. Of these, forty-five are now attending college and three, normal schools of the state.

The English School. This school contains to-day 1,048 pupils, a gain of 131 over last year, and of 237 over the year before. They are divided among the classes as follows:—

	1905.	1906.	Change.
Post-graduate	14	7	—7
Senior	140	162	+22
Junior	189	194	+5
Sophomore	224	286	+62
Freshman	350	399	+49

With principal and secretary, there are thirty-nine in the teaching corps, eleven of whom, or 28.2 per cent., are men.

Four of these men are employed solely in the manual training department, leaving the academic department of the school with less than twenty per cent. of male teachers, less than one-half relatively of the number employed in the Latin school. When more teachers are hired, some of them should be men.

The average number of pupils to an instructor is twenty-eight.

Unusual and important changes have taken place during the year in the teaching force of the school. At the end of the school year in June, Head Master Whitcomb, who organized and developed the school and placed it in the very front rank of New England high schools, tendered his resignation to accept a more lucrative position, and one that offered an unhampered field for professional advancement and the execution of long-cherished plans. His decision was accepted with great regret by both the school authorities and the general public. The appreciation in which he and his work were held is shown in the following memorial taken from the school records:—

Mr. Charles T. C. Whitcomb being about to relinquish the position which he has held for eleven years as head master of the English High school, the school board of Somerville desires to place on record its recognition of his services.

Called in 1895 to organize the new school, to outline its general plan of work and course of study, to select a new corps of teachers, and to establish a general standard of attainment, Mr. Whitcomb entered enthusiastically upon the task, and during its very first year established the school upon a solid foundation. Since that time, the school has doubled in numbers and constantly increased in efficiency and grown in public favor.

From the outset, absolute harmony and unity of action prevailed among the faculty, and a spirit of loyalty and enthusiasm among the students. A thorough system of administration covering all details, high standards of scholarship, the appeal to the ideal motives of conduct, the closest co-operation between parents and instructors, and a personal, vital interest in the welfare of each student have resulted in making a school second in character to none of its class in New England. To Mr. Whitcomb as the moving spirit in all this the city of Somerville will always be greatly indebted, and its English high school will remain a monument to his knowledge, energy, and professional skill.

We tender to Mr. Whitcomb, as he leaves us for a larger and more inviting field, the hearty expression of the appreciative gratitude of ourselves and our fellow-citizens, and trust that in Brockton he may win even higher honors as a progressive educator, an able administrator, a wise guide and counselor, a genial friend and companion, and a loyal and useful citizen.

At the same time two highly-valued teachers, Miss Lucy Ingram and Miss H. H. Small, left us, the one, after service beginning with the organization of the school, to take charge of the English department in the Brookline High school, and the other to fill a similar position in the Brockton High school.

With hearty unanimity the position of head master was filled by the promotion of the master, John A. Avery, while the latter's place was taken by Sub-Master Everett W. Tuttle. At

his own request, Mr. Earle was transferred from the chemistry to the head of the department of mathematics. William W. Obear, Amherst, 1897, of the Fitchburg High school, was placed in charge of the chemistry department. The places of Misses Ingram and Small were taken by Miss Ella A. Newhall, B. U., '95, of Norwood, and Miss Grace Gatchell, Colby, '97, of Cohasset. A vacancy that had existed for some time in the history department was filled by Miss Grace E. Burroughs, Radcliffe, 1900, of the Newton High school.

The increase in the size of the school rendered necessary the employment of Miss Theodora M. Hastings, Wellesley, '95, as general teacher, Miss Mabel Butman, Wellesley, '91, in the mathematics department, and Laurence A. Sprague, of the Natick High school, in the manual training department. Miss Annie C. Woodward, a graduate of the Plymouth Business College, was made an assistant in the commercial department. David S. Wheeler, B. U., '00, was engaged to take the place of C. F. Abbott, of the department of history and civics, who had been granted a year's leave of absence for study. The eleventh change in the faculty of the school was made by the appointment of Miss Mabel M. Ham as secretary, in place of Miss Cole, who resigned after an efficient service of five years.

Notwithstanding the facts that nearly one-third of the teachers were new to their positions, that the school was larger by 125 pupils, and that a new building was to be occupied, the new administration has maintained the standing of the school in all respects and conducted its affairs in a way that augurs future prosperity and an increased efficiency.

While the school has been freed from many of the conditions that have handicapped it for the last few years, it must be remembered that its necessities have been only partly met, and that the enlargement of the building, which was proposed as one-half of the plan of general high school relief, is still imperatively needed. In September, 1907, at least 100 pupils will be added to its present membership, but there are now no accommodations for them. Besides, the needs of the school as presented on previous pages demand that immediate steps be taken to secure additional room.

In June the school graduated 127, six of whom entered college, nine technical schools, and nine normal schools. The four compulsory subjects of the curriculum and the eighteen electives are pursued at the present time by pupils as follows:—

English	1,077	Physiology	308
History	953	Latin	166
Mathematics	840	French	408
Chemistry	66	German	143
Astronomy	20	Physical geography.....	18
Physics	75	Mechanical drawing....	285
Biology	64	Freehand drawing.....	393

Commercial:—		Manual training.....	243
Law	24	Penmanship	236
Bookkeeping	127	Commercial arithmetic..	103
Stenography	170	Typewriting	187
Elocution	1,073	Music	1,005

Despite the efforts that are made to hold pupils to the end of the course, ill-health, the demands and allurements of business, and the lack of application and steady purpose lead to the dropping out of more than half the pupils who enter the school before the end of the four years comes around. Losses since the organization of the schools are shown in the following table:—

TABLE SHOWING LOSSES OF CLASSES IN ENGLISH HIGH SCHOOL EACH YEAR SINCE 1898.

MEMBERSHIP.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.	Class of 1909.	Class of 1910.
December 15, 1st year .	211	217	299	246	261	250	252	267	350	399
“ 2nd “ .	153	162	221	178	214	190	220	224	286	...
“ 3rd “ .	125	135	178	147	180	158	187	194	...	...
“ 4th “ .	108	120	151	112	148	140	162	...	...	...
Graduates .	9 ^c	108	135	106	135	127	...	...	...	...
Loss per cent. 1st year	27.5	25.3	26.0	27.2	18.0	24.0	12.7	16.1	18.3	...
“ “ 2nd “	18.0	16.6	19.5	17.4	15.9	16.8	15.0	13.4	...	...
“ “ 3rd “	13.6	11.1	15.2	23.8	17.8	11.4	13.4	...	...	...
“ “ 4th “	11.1	10.0	10.6	5.4	8.7	9.0	...	...	...	...
Total .	54.5	50.2	54.8	56.9	48.3	49.2	...	...	...	...

On the basis of these losses and its past growth, the school will contain 1,150 pupils next September.

Grammar and Primary Schools. A year ago these schools contained 10,562 pupils. To-day there are 102 more, or 10,664. They are distributed among the nine grades as follows:—

	1906.	1905.	Change.
Grade 1.....	1,526	1,581	—55
“ 2	1,473	1,456	+17
“ 3	1,352	1,336	+16
“ 4	1,292	1,274	+18
“ 5	1,240	1,189	+51
“ 6	1,109	1,152	—43
“ 7	1,003	967	+36
“ 8	872	917	—45
“ 9	797	690	+107

In June, 1906, there were 640 graduated from the grammar schools, an increase of thirty-four as compared with the previous year. Of these, 115 entered the Latin school and 359 the English, a total of 474, or 74.1 per cent. of the entire number.

The possibility of transferring primary pupils to the Forster school from the Glines enabled us to dispense with half-time classes in that building. We are obliged, however, to keep 218

children on half-time in the Prescott, Hanscom, and Hodgkins schools.

Kindergartens. The kindergarten conditions remain unchanged. There are still four in operation in the Hanscom, Bennett, Baxter, and Glines schools. They are always full, and maintain their popularity with parents. There is a strong feeling in other parts of the city that kindergartens should be extended whenever the opportunity is presented. The entire expense of the four kindergartens for the year was \$3,788.55, or \$19.94 for every child in the average membership. The details are as follows:—

	Hanscom.	Bennett.	Baxter.	Glines.	Total.
Enrollment	107	113	102	97	419
Average membership	49	49	46	46	190
Average attendance	43	42	37	41	163
Per cent. attendance	88.4	85.1	81.6	89.0	85.8
Age	4—9	4—5	4—9	4—9	4—8

Evening High School. The second year of the evening high school was a repetition in many respects of the experiences of the preceding year. Six hundred and five enrolled themselves at the outset. Their attendance fell off from 229 in October to ninety-nine in March. The school kept ninety-three sessions, and was conducted on the same general plan, two evenings of attendance being required of each student each week, although some were present three or even four evenings. Practically all the studies of the high school course were taught by an efficient corps of instructors, under the direction of Mr. Avery, master of the English High school. The students that attended with some degree of regularity received positive benefits from their connection with the school. Those who attended irregularly or for a small part of the year profited but little, and only served to swell the expenses of the school. The cost of the school was \$0.387 per pupil for each evening, a little less than the previous year.

The cost of instruction, \$4,466.

Cost of supplies, janitors' services, and light, \$1,082.22.

Total, \$5,548.22.

The school re-opened in October under the direction of George W. Earle, of the English school, under practically the same corps of teachers and a registration of about 600 pupils.

Elementary Evening Schools. The term of these schools was shortened by one month for financial reasons. The enrollment

in the four schools was 698, with an average attendance of forty-six per cent., or 324. The total expenditure was \$6,303, or \$0.233 per pupil per evening.

No means have yet been found for awakening an interest in evening schools and their advantages that will lead young men and women to attend regularly and persistently to the end of the course. The fault, doubtless, lies mainly with the students. Fatigue, infirmity of purpose, the attractions of pleasure, and a failure to appreciate the worth of the education lying within their reach will account for their irregularities. Some remarks are made elsewhere concerning the extension of evening school courses to include tool work, and sewing, millinery, cooking, etc. The success of schools that offer a wider range of subjects of a more practical nature closely connected with business pursuits and the means of livelihood shows that there is a demand for the newer methods. Aside from the positive benefits accruing to the student, the negative advantages of such schools are worthy of consideration. They give boys useful employment for idle moments, and furnish a substitute for occupations that are injurious to them and a menace to the community.

Vacation Schools. Stringent financial conditions and a desire to co-operate with the city government in the reduction of expenditures led the vacation school committee not to open schools of this character in 1906.

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville in 1906 is \$329,345.77. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover the amount paid for the care of school buildings, for janitors' services, fuel, light, and telephones. With this expenditure the school board has nothing to do, it being wholly in charge of the city government.

The amount paid for janitors is.....	\$23,143.32
The cost of fuel is.....	14,161.92
The cost of light is.....	2,874.75
Telephones	380.24
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A total of.....	\$40,560.23
The cost per capita.....	3.45

The second important expenditure is wholly under the control of the board, and is covered by what is known as the "School Contingent" appropriation. The following are the chief items:—

Officers' salaries.....	\$5,400.00
Books	\$8,897.28
Stationery	4,962.73
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Amounts carried forward	\$13,860.01
	<hr/>
	\$5,400.00

Amounts brought forward	\$13,860.01	\$5,400.00
Laboratory and manual training supplies,	1,779.66	
Printing	1,033.23	
Graduation exercises.....	1,155.40	
Drawing supplies.....	1,045.75	
Bookbinding	886.18	
Truant officer's horse.....	240.00	
Express and postage.....	228.86	
Board of truants.....	417.28	
School census.....	242.60	
Telephone	191.64	
Kindergartens	113.42	
Miscellaneous	1,395.05	
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Total for school supplies, etc.....		22,589.08
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Total outlay on school contingent account....		\$27,989.08
Appropriation		25,000.00
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Deficiency		\$2,989.08
Received for damage to school property, tuition state wards and non-residents, etc.....		448.16
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Net deficiency.....		\$2,540.92

The estimate of the committee for school contingent expenses was \$27,880. This sum was exceeded by \$109.08.

The third, and by far the largest, element of the cost of schools is the sum spent for the salaries of teachers. The following shows the monthly payments:—

January	\$26,347.25
February	26,095.57
March	26,570.93
April	24,888.51
May	24,893.17
June	24,778.44
September	25,319.94
October	27,302.39
November	27,505.76
December	27,094.50
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Total	\$260,796.46
Amount of appropriation.....	260,000.00
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Deficiency	\$796.46

The estimate of the school board for the payment of teachers' salaries was \$263,500. The expenditure was \$260,796.46, or \$2,703.54 less. This difference results from the fact that \$1,200 asked for manual training instruction and \$500 for vacation schools was not required, as these schools were not opened. Besides, \$500 was saved by shortening the evening school term, and \$500 more by the employment of teachers below the maximum salary,—a total non-expenditure of \$2,700.

The total outlay for all purposes in 1906 is as follows:—

Teachers' salaries.....	\$260,796.46
Administration	5,400.00
Care of schoolhouses.....	40,560.23
School supplies.....	22,589.08

Total for school maintenance..... \$329,345.77

Paid for repairs..... 11,950.85

Paid for new buildings..... 38,457.32

Total for all school purposes..... \$379,753.94

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1902.	1903.	1904.	1905.	1906.
Teachers' salaries.....	\$0.800	\$0.781	\$0.793	\$0.792	\$0.792
Administration	0.017	0.013	0.016	0.013	0.016
Janitors' salaries.....	0.073	0.070	0.070	0.070	0.070
Heat and light.....	0.042	0.067	0.053	0.061	0.052
School supplies.....	0.063	0.069	0.068	0.064	0.070
Total	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000

Per Capita Cost. The proper way to compare the cost of schools one year with another is by considering the amount spent for each pupil in the average membership. In this computation we exclude the cost of evening schools because the sum is now so large as to be misleading. It is difficult to include the membership of the evening schools with that of the day schools. The following shows the

PER CAPITA COST OF DAY SCHOOLS FOR 1905 AND 1906.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1905.	1906.	De- crease.	1905.	1906.	In- crease.	1905.	1906.	In- crease.
Instruction . . .	\$45 79	\$43 82	\$1 97	\$18 86	\$18 94	\$0 08	\$21 76	\$21 82	\$0 06
Supplies	5 15	4 73	0 42	1 29	1 50	0 21	1 70	1 88	0 18
Care	4 15	3 75	0 40	3 26	3 22	—0 04	3 36	3 28	—0 08
Total	\$55 09	\$52 30	\$2 79	\$23 41	\$23 66	\$0 25	\$26 82	\$26 98	\$0 16

If we include the sums paid for the maintenance of evening schools, the per capita cost for the last three years is as follows:—

	1904.	1905.	1906.
Cost of instruction.....	\$23.03	\$22.50	\$22.63
Cost of supplies.....	1.93	1.74	1.92
Cost of care.....	3.52	3.63	3.45
Total.....	\$28.48	\$27.87	\$28.00

An examination of these tables shows that the cost per pupil in the high schools is \$2.79 less than last year. This is made up of \$1.97 less for instruction, \$0.42 for supplies, and \$0.40 for care of buildings. Fewer teachers have been employed in proportion to the number of pupils in attendance.

The grammar and primary schools have cost \$0.25 per pupil more than last year. There has been an increase of \$0.08 in the cost of instruction and \$0.21 in the cost of supplies, and a decrease of \$0.04 in the cost of the care of buildings.

Taking all the day schools together, the net increase in cost has been \$0.16 per pupil. This is made up of \$0.06 for instruction and \$0.18 for supplies, while there has been a decrease of \$0.08 in the cost of the care of school buildings.

Adding the cost of evening schools to that of day schools, we increase the cost of instruction \$0.13, the cost of supplies \$0.18, and lessen the cost of care \$0.18. This makes a total cost for 1906 of \$28 per capita as against \$27.87 for 1905 and \$28.48 for 1904.

There were fifty-eight cities and towns in the Commonwealth that paid a larger per capita sum than Somerville in 1905. The cost of maintaining our schools in 1905 was \$5.44 for every thousand dollars of the city's valuation, but there were 130 cities and towns in the state that paid a higher rate. This year the rate is \$0.01 higher in Somerville than it was last year.

It is gratifying to notice that while the number of school children has increased 1.9 per cent. during the year, the ability of the city to pay for their schooling, as shown by the valuation, has increased 2.1 per cent.

Schoolhouse Conditions. During the last two years there has been considerable public criticism of the condition of Somerville school buildings. As far as criticism is just it should be welcomed, and the remedies applied. If unwarranted and calculated to produce wrong impressions or needless alarm, it should be corrected. It has been the custom in these reports to call attention to our needs in the line of increased or improved school accommodations. As the school committee has no power over construction, alteration, repair, maintenance, and care of schoolhouses, all such matters having been delegated to another branch of the city government, it may be thought strange that any allusion to the subject should be made in a school report. The "management and control," the "general charge and superintendence of public schools" are vested by law and charter in the school committee. It would be an anomalous state of affairs if the authority of that body were limited to what pertains to the intellectual or moral welfare of the children to the utter exclusion of what relates to the health, comfort, or care of their bodies or of the schoolhouse conditions upon which these things depend. In the eyes of the public, the school board

cannot escape responsibility for the physical well-being of school children. These facts justify the presentation to the board and to the public and to the responsible authorities what the executive officer of the board considers to be needful to secure the health and comfort of children, and the facilities that the schools need for the proper accomplishment of their work.

Ideal schoolhouses cannot be expected. Every schoolhouse, for example, should be located in the centre of an open lot, with ample room for playgrounds; it should be provided with an assembly hall in which the entire school may be gathered, and which could be opened for other public educational uses; the heating plant should be located outside of the main building, and sufficiently remote to secure absolute safety; it should contain gymnasiums and rooms for manual training and cooking, to say nothing of other requirements. In providing school facilities regard must be had to the financial limitations of the city. While the demands of the schools are the most important, they are by no means the only interests to be considered and provided for. We must accept all school buildings that have been furnished, and can only ask that they shall be made as healthful, comfortable, and attractive as it is possible to make them under existing conditions. Everything that menaces the health of their occupants should be speedily remedied.

I do not think that there are conditions in any of our schoolhouses at the present time to occasion anxiety or alarm.

There are, however, certain needed changes and improvements to which I wish to call attention.

1. We have four or five school buildings that were erected between thirty and forty years ago. When new they were a source of congratulation to our citizens. Barring the fact that they are all three-story buildings and poorly lighted, they will compare favorably with more modern structures. They have all been modernized as to heating, ventilation, and sanitation. Since their erection there has been a marked improvement in schoolhouse architecture in certain respects, as might well be expected. One notable difference between the old and the new is in the amount of light provided. The rule now is to make the lighting surface about one-fifth of the floor surface in every room. It is rarely allowed to fall below one-sixth. Attention was called in detail to this matter in the school report for 1899, and the ratio of floor surface to window surface was given for all school buildings standing at that time. To show what the present construction is, the following facts are given:—

RATIO OF FLOOR SURFACE TO LIGHTING SURFACE.

Forster annex.....	20.3%	Average of five rooms	
Baxter	23.9%	in old Latin build-	
Brown	21 %	ing	10.2%
Bingham addition	24 %	Prescott	10.6%
Bennett	20 %	Bell	10.3%
Lowe	23 %	Forster	9.5%
Proctor	23 %	Morse, four rooms....	8.3%
Proctor,—rooms lighted		One room in High	
on one side only.....	16 %	school annex.....	9.7%
High school annex....	21.9%		

There are other buildings in the city that fall considerably below modern requirements. For example, the Highland shows only thirteen per cent., and the Edgerly 11.6 per cent. A comparison of these figures will show that many of the old rooms have just about one-half of the lighting surface provided in modern structures. There are many occasions during the short days of the year when all eye-work must be suspended in these poorly-lighted rooms. Indeed, the light is insufficient in some parts of the room on every cloudy day. The fact that these conditions have prevailed for thirty odd years is no reason why they should be continued. Sight is the most precious of the senses. If the deterioration of the eyes of school children is in any wise traceable to poorly-lighted rooms, a remedy should be applied. To secure proper conditions, either natural or artificial light should be provided by increasing the present supply from fifty to seventy-five per cent.

I am aware that this involves a large expenditure, and I hardly expect that it will be secured in a single year. A beginning was made several years ago in the Forster school, but lack of funds has prevented the continuance of this improvement. An expenditure of \$4,000 would probably remove all grounds of complaint.

2. The principal, if not the only, improvement in the seating arrangements of modern schoolhouses is in the provision of adjustable chairs and desks. No matter what the grade, large children and small are found in every class. It is not only desirable, but hygienically important, that the seats should be of proper height, and the relation of the desk to the chair be just right. These things can only be secured by adjustable furniture. This matter is probably of less importance in high schools, where students generally occupy seats of the largest size without discomfort. There are, of course, some exceptions, for the ages in these schools vary from twelve years to twenty. Eleven of our school buildings, the newer ones, of course, contain nothing but adjustable furniture. Nine-tenths of the seats in four others are already adjustable. Take the city over, I find that there are 3,400 non-adjustable seats. These are chiefly in the older buildings. With the old furniture, whenever a higher grade replaces a lower, or vice versa, a change of furniture is necessary. Other-

wise, a readjustment is all that is needed. It would cost \$7,500 to substitute adjustable irons for the non-adjustable, without replacing the woodwork.

3. The need of thorough ventilation of schoolhouses is recognized, but to secure the inflow of thirty cubic feet of pure, properly-heated air every minute for every pupil is no easy matter. Not only must the apparatus be adequate, but the human element upon which we are always dependent must also be adequate. Six of our buildings are ventilated by the fan system; all others by the gravity system. Five of these are heated by furnace. In four of our steam-heated buildings automatic appliances regulate the temperature fairly well when in order. It requires, however, the utmost vigilance on the part of janitors in all buildings to see that they are warm enough by half past eight in the morning, and that an unvarying temperature of from sixty-eight degrees to seventy degrees Fahrenheit is maintained throughout the day in every one of the dozen or more rooms. The teacher cannot be held responsible for the temperature of her room. Absorbed in her work, she may be unconscious of a rise or a fall. She cannot stop to notify the principal, nor can that official suspend his teaching to notify the janitor. It is the business of the latter to be alert and to investigate and regulate the heat at regular intervals. He alone is responsible. The furnaces in the Pope, Morse, and Highland schools may be replaced by steam to the comfort and advantage of their occupants. There are some minor improvements in other buildings that may well be made, for example,—an electric motor to replace steam for the running of the fan in the Bell school. This will allow the use of the fan, regardless of temperature.

4. There has been a thorough reconstruction of the toilet arrangements in the Bell, Edgerly, and Bingham schools during the year. While there are no conditions that in any wise menace health, it is desirable that the toilet facilities in the Cummings and Davis schools be modernized. Of course, constant care and attention on the part of janitors are requisite to keep even the best apparatus in clean and healthful conditions. For this care principals are in part responsible.

5. The most of our school buildings are satisfactory as to neatness and cleanliness. The location and surroundings of a building have much to do with the frequency of sweeping and cleaning. Some buildings need to be swept daily. They need to be thoroughly scrubbed as to floors and woodwork every month. In all buildings windows need to be cleaned every two months. As janitors have received instructions to carry out the requests of the principals, it is the fault of the latter if schoolhouses are not satisfactory as to their cleanliness.

6. Schoolrooms should be not only healthful and comfortable, but they should also be attractive. This cannot be the case so long as the walls are dingy and dust-laden. Hence the necessity of cleaning or tastefully tinting the walls whenever they

need it. Otherwise the attempts at decoration by pictures and works of art are comparatively unsuccessful.

The work of tinting the walls of schoolrooms and corridors is being prosecuted gradually, and will doubtless be continued after provision for more urgent requirements is made.

When we contrast the material school advantages which children nowadays enjoy with those with which their fathers and grandfathers were apparently contented, even the most pessimistic among us has good reason to thank God and take courage.

In connection with the general question of the safety of school buildings, it is fortunate that only one building has thus far been provided with a fire escape, and this is not yet in working order. When it is ready for use, the constructor estimates that it will take twelve minutes to empty the building. The approaches to it are wholly inadequate. It will prove much more perilous to life and limb to get boys and girls out of a three-story building by means of ordinary fire escapes than it will be to use present exits. The fire drill, as conducted and frequently practiced in most buildings, will get every scholar into the street within two minutes. This has frequently been done in the case of the English High school with nearly 1,100 pupils. Of course, if the fire drill is neglected, the conditions are changed. I recommend that the rules be modified to require a fire drill in every school at least twice a month.

Training Schools. There has been some discussion this year regarding the opening of a training school for teachers in Somerville. There is no more legal or moral obligation resting upon the city to furnish training for the vocation of teaching than there is to qualify young women to obtain a livelihood in other pursuits. If a training school furnishes the only means of securing good teachers for our schools, or even if it will aid materially in this direction, it is a wholly different matter. Such a school properly organized and equipped is rather more expensive than ordinary schools. Were Somerville in such proximity to the right normal school as to receive the aid from the state that Lawrence has, for example, the argument of economy might be urged in favor of a school for teacher training. Moreover, a prejudice generally exists among the more intelligent parents against having their children taught by mere trainers. This prejudice exists even when the quality of instruction is as good as the average. My experience and observation lead me to the conclusion that a training school in our city is, at the present time, neither necessary nor expedient. If one were opened immediately, it would be impossible to find resident graduates of normal schools ready to serve in it. There are, at the present time, but four Somerville students in the class that graduates in June next in the state normal schools. The average number of graduates from normal schools resident in Somerville during the

last seven years is five. Most graduates would prefer the larger salary and the experience to be obtained in independent schools outside of the city to the comparatively meagre salary and the kind of experience that a training school in their own home city would give them. I should have no hesitation in advising a young teacher which of these courses to pursue. It is much better for a teacher to be thrown absolutely on her own resources, to test her theories and ability in the light of actual experience independently obtained.

Our high schools are not turning out many aspirants for teaching honors. As has been said elsewhere in this report, the shorter period of preparation, the quicker financial returns, and the lessened responsibilities of other pursuits are preferred. Those of our graduates that go to college have little inclination toward school teaching, and the few that do, aspire to high school work, and having spent four years in college study, they feel themselves ready to teach without the further preparation that a training school might offer.

The proposition reported by the committee to whom reference of the matter was made, to open certain of our schools to normal graduates for such training and experience as they may be able to get under the direction of a competent principal, while not ideal, is open to few objections. The chief trouble, I suspect, will be found in connection with the decision as to the competency of the cadets and their future value as teachers. Should the judgment be unfavorable, the pressure of friends, political, social, denominational, would be brought to bear to secure a reversal of the decision or to urge a probationary service. The decision of competent judges in such matters should be final and uninfluenced.

While girls, if suitably endowed, may be satisfactory as teachers of very young children, they are wholly out of place in the higher grades. There mature women of experience, of good judgment, of strong personality and moral power are an absolute necessity. Such teachers are not developed in a year or two under any course of training. Nevertheless in every large school there is an opportunity for an extra teacher. Indeed, the employment of a competent person in such a position would be really a measure of economy. There are so many children who need especial assistance for one cause or another, and whose school life would be shortened by the help such teacher might give them, and there are so many large classes to which no single teacher, however competent, can do justice, that an extra expert would find plenty to do. Some of this work could be done by an apprentice, and the service rendered would be very much better than nothing, and might prove valuable.

Truants and Delinquent and Wayward Children. The table below shows the relative amount of truancy for the year:—

	1905.	1906.	Increase.
Number of visits to schools.....	567	511	—56
Number of cases investigated.....	514	502	—12
Number found to be truants.....	150	151	1
Number sent to truant school.....	4	6	2
Paid for board of truants.....	\$322.14	\$417.28	\$95.14

When the size of the city and the character of a certain portion of its population are considered, the number of cases of truancy must be declared small. In Boston the cases of truancy are a little more than six per cent. of the enrolment, in Somerville a little less than three per cent. Truancy generally results from untoward conditions in the home, although there are other causes. The parents of truants are generally willing to co-operate with the authorities in securing regular attendance, but they are too weak to accomplish what is wanted. The persistent and incorrigible truant is exposed to an absolute lack of restraint in the home and to the influences of older vicious associates. The sooner he is removed to a truant school where the influences are only of the best, and where the care for his physical and educational interests is perfectly satisfactory, the better. Ordinarily a term in a truant school works the reformation of the boy and gives him a start in the right path.

Unusual efforts have been made to secure the strict enforcement of the child labor laws this year. The state and local authorities have been active, and it is believed that the law is, on the whole, now as well enforced as most laws on the Statute books.

There has been a radical change, not only in public sentiment, but in the laws of the state concerning the treatment of children found guilty of offences against the law. The establishment of juvenile courts and the wholly different provisions made for the treatment of what the law calls "delinquent" and "wayward" children secure for them treatment and care having in view reformation and restraint rather than punishment. The following quotations from the law indicate its general purpose:—

"The term 'delinquent child' shall be construed to mean any boy or girl between the ages of seven and seventeen years who violates any city ordinance or town by-law, or commits an offence not punishable by death or by imprisonment for life.

"The words 'wayward child' shall be construed to mean a boy or girl between seven and seventeen years of age who habitually associates with vicious or immoral persons, or who is growing up in circumstances exposing him or her to lead an immoral, vicious, or criminal life.

"This act shall be liberally construed to the end that the care, custody, and discipline of the children brought before the court shall approximate as nearly as possible that which they should receive from their parents, and that, as far as practicable, they shall be treated, not as criminals, but as children in need of aid, encouragement, and guidance. Proceedings against children under this act shall not be deemed to be criminal proceedings."

It is not needful to give the details of the law to show the method of procedure. Suffice it to say that these "delinquent" and "wayward" children, if guilty of the offences charged, are placed under the care of the probation officer of the court. These probation officers are under the supervision of the State Board of Charity.

The reformation of this class of offenders is of vital importance to the community, and one in which all good citizens should not only be interested, but have a part. It is impossible for a single probation officer to exercise proper care and oversight of all children coming under his jurisdiction. Here is an opportunity for the philanthropic and altruistic to lend a hand. Officers of the State Board of Charity are seeking to enroll in every community men and women who are willing to assume the oversight and care of one or more of these delinquents during their probationary term. Most of these children need the encouragement and healthful influence that one with a genuine interest in their welfare could easily give. As a class, they are not inherently vicious, and experience has shown that their complete reformation may be easily effected by wise and sympathetic treatment. Most of this class continue in the schools, and furnish a remarkable opportunity for the exercise of skill and power on the part of teachers in their reclamation. Opportunities will be given our citizens to enlist in this work.

In response to enquiries sent to the masters of our schools for suggestions looking toward their increased efficiency, I have received the following communication. It bears so directly upon the subject we are considering that I am constrained to give it in full:—

During the last month I have been called upon by the police and by property holders in my district to investigate many cases of malicious mischief. These cases have taken on an average perhaps three hours a week,—mean, disagreeable work at the best. As a result of this, I have come to the conclusion that there is a large and steadily-increasing number of boys, between the ages of nine and sixteen, who make themselves a menace, even more, a public nuisance, in the early evening, to the self-respecting citizens, merchants, and property owners in our neighborhood. These boys are well behaved in school, and no doubt more of them would be outside were it not for the evil influences to which they are subjected at every corner.

This spirit of lawlessness shown by our boys on the street and in public places is surely reflecting itself in the schools. This spirit of rowdiness is now so pronounced that we cannot overlook it; it must be met.

The question presents itself: "How far is it possible for the school board and the teaching force of our city to so adjust affairs and devise new methods as to meet these rapidly-developing conditions?"

Is it possible for our schools to exert an influence over the lives of pupils, which will tell, not only for the few hours in which they are under our supervision, but wherever circumstances may place them?

Shall this lawlessness that we find be met by the law, or shall we direct the enthusiasm of the boys into some legitimate, interesting, and profitable channels?

It has been our aim, as you know it is the custom in all our schools,

to give direct, systematic training in practical morals; we have tried to do our work with the idea that the public schools are expected not only to teach reading, writing, spelling, and arithmetic, but also to teach the value of self-denial, self-restraint, to respect the rights of others, and to know the duties and obligations which the years are bringing them.

That we have been fairly successful in our work with the three R's, I am confident, that we are equally unsuccessful, in the higher and really more important aim of our schools, with the boys that are now loafing on street corners in imminent peril of jail or penitentiary, I am equally certain.

That we are face to face with a serious and difficult problem, any one who is at all acquainted with the condition of things in my locality will readily agree.

Just how these conditions are to be met, I am free to confess I do not know. But I believe it is a condition that should be seriously considered by the school department of our city, and that some attempt be made to solve the problem.

If the greater part of this rowdyism and malicious mischief on the part of our boys of which I have spoken is brought about as the result of unoccupied minds and time, the remedy would seem to be in some scheme that would guide the enthusiasm of these boys into some legitimate channels.

With this thought in mind, I have already had two evening entertainments in my own building, and I believe, if the plan could be followed out more systematically and for five evenings each week, much good could be done.

We rarely find a child who has not ability along some line, either manual or mental. Those whose tastes run toward intellectual work, as I have said, are well cared for in the schools, but many of the "troublesome boys" are forced to spend the entire day doing work which is not only distasteful, but which is often meaningless. Give these same boys a chance at some manual work in which they may successfully compete with others, and they develop a self-respect which gives life a new meaning to them. The spirit of seeking to attain some accomplishment will successfully combat the spirit of lawlessness.

Boston has attempted to solve the problem by establishing, in certain sections, "Educational Centres" for both boys and girls of the public schools who would otherwise be upon the street. Every evening school buildings are opened for their reception, and instruction is given in such work as basketry, carpentering, wood carving, etc. For a broadening influence stereopticon lectures are given upon the various branches of science, such as bird life, volcanoes, and travels in foreign countries, to which the parents and friends of the children are invited. Everything practicable in the way of an elevating influence is thrown about them.

It is needless to say that these schools, in a measure, gain the object sought and their value is beyond estimate.

The need of our schools in this locality is for some such plan as this. Our regular evening schools keep many boys from the street, but do not help in our problem, as they are not open to day pupils.

My suggestion, then, is that this be considered, and if the object seems worthy, the school board be asked to make an appropriation so that a suitable hall or the school building may be secured for certain evenings where the boys may be entertained by music and lectures, or that some systematic instruction along manual lines may be given at the school building.

I most heartily endorse the suggestions made in this letter. The conditions outlined prevail not in one locality only, but are characteristic of many. Boys need controlled recreation and useful employment, especially during the time from sunset to

curfew. Boys live in gangs. They want to be with their companions. The need of doing something for them is recognized. The movement in favor of boys' clubs is a response to the demand, but interest in the matter has not yet become so general and so strong as to provide places and money to supply the needs. Sooner or later the public must grapple with the situation, and some provision be made to supply what is needed. Schoolhouses are available, and no public moneys could be invested that would yield a larger return in the uplifting and development of boys and young men that otherwise might become dangerous to the welfare of the community.

It is possible that our evening schools might be extended and their courses modified in a way to meet the situation. They could be opened to day-school pupils and other boys with time on their hands and nothing to do, for hand-work, or instruction in new lines, lectures, etc. Sufficient power is vested in the school board to carry on this work, and I respectfully ask you to consider the advisability of asking money for the opening of several such schools or for extending the scope of the existing evening schools at the beginning of the next school year.

Stamp Savings System. This system of teaching thrift and helping children to save their money has been continued during the year under the direction of the Associated Charities. With hardly an exception, the teachers have co-operated heartily. It will be seen by the figures printed below that there has been a gradual falling off in the amount collected from year to year:—

	Collections.	Banked.
School year, 1902-3.....	\$15,135.59	\$8,069.85
“ “ 1903-4	9,069.80	6,060.91
“ “ 1904-5	8,056.80	4,754.46
“ “ 1905-6	7,503.01	4,465.95

The collections from October 1 to December 11 for the current year have been \$3,344.86. This is \$600 more than was collected during the corresponding period of last year.

The general system of stamp savings as used in the schools of the state has been declared illegal in view of the law passed last year growing out of the failure of the Provident Securities Company. An effort will be made by the bank commissioners, who strongly favor the object in view, to secure the passage of a law legalizing the work, and possibly making some changes in the methods employed. In the meantime the present plan will be followed. The work undoubtedly is beneficent and salutary in its influence.

The habit of saving money and spending it wisely makes all the difference between penury and a competence.

The Public Library and the Schools. The close articulation between the schools and the public library, to which attention

has so frequently been called, has become permanent, and little needs to be said on the subject. Nothing that the library authorities could do to make the books under their control easily accessible to teachers and pupils of the school has been left undone. It is gratifying to note that reading habits are being formed, and that books have become an important factor in the children's use of their leisure.

At the present time there are 147 libraries in the schools, each made up of from twenty-five to fifty books taken from the shelves in the public library, as selected or called for by the teachers. Seven thousand four hundred volumes have been circulated through the schools. This is independent of the constant use of the library made by individuals. The thanks of the school authorities are due to the librarian and his assistants for help and courtesies shown during the year.

Concerning Licenses to Sell Newspapers. The change in the law has placed the issuing of licenses to newsboys under fourteen years of age in the hands of the school committee. It is thought that boys within the compulsory school age should not be allowed to engage in any occupation that may interfere with school attendance and the proper discharge of school duties without being under the watchful care of school authorities. Eighty-two licenses have been granted since the first of October.

If the restrictions of the license are violated, or if it is found that in any way the selling of newspapers, etc., is detrimental to the school interests of the boy, his license may be revoked. The regulations of the school committee concerning this matter are found below.

Blanks are also printed that show the steps that must be taken to secure the license.

AMENDMENTS TO THE RULES OF THE SCHOOL COMMITTEE.**Regulations for Licensing Minors Under Fourteen Years of Age.**

SECTION 167. No minor under the age of fourteen years shall, in any street or public place of the city of Somerville, work as a bootblack, or sell or expose for sale any books, newspapers, pamphlets, fuel, fruits, provisions, ice, live animals, brooms, agricultural implements, hand tools used in making boots and shoes, agricultural products of the United States, or the products of their own labor or the labor of their families, unless he has a minor's license issued to him by the Superintendent of Schools of said city for so working or for so selling said articles, nor unless he complies with the terms of said license.

SECT. 168. The principal of the school in which a minor under the age of fourteen years is a pupil shall receive the application, in duplicate, of the parent or guardian of such minor, or next of kin, for a license for such minor to work as a bootblack, or to sell any or all the articles enumerated in the preceding section, and shall forward the same to the Superintendent of Schools, accompanied by the certificate of the teacher in whose class said minor may be, and of the said principal, that such minor is an attendant at such school and that they approve of the granting of a license to said minor. When the Superintendent authorizes the issue of a license, he shall return to said principal one of said duplicate applications for filing, retaining the other, and shall issue said license to such minor authorizing said minor to go about from place to place in the city of Somerville, and on the sidewalks in said city, to sell newspapers, or to work as a bootblack, or in the streets and other public places in said city to sell any or all of the other articles enumerated in the preceding section, and shall provide such minor with a suitable badge, for which a charge of twenty cents shall be made. Every such license shall be issued and accepted on the condition that the minor shall comply with the conditions of his license as contained in the following section, and said section shall be printed in the license.

SECT. 169. The minor shall conform to the statutes and the Regulations of the School Committee of Somerville; shall, so long as he continues under the age of fourteen years, attend, during every session thereof, one of the public schools, or some regularly-established school in the city of Somerville; shall surrender his license and badge when notified that his license has been revoked, to the principal aforesaid, who shall return the same immediately to the Superintendent; shall not transfer or lend his license or badge, nor furnish any unlicensed minor with newspapers or other articles to sell; shall not sell newspapers in or on any part of the street other than the sidewalk; shall not sell newspapers in or on a street car, nor, except on the days of national, state, or city elections, after eight o'clock in the evening; shall not work as a bootblack or sell newspapers unless he is over eleven years of age; shall not sell any other article than newspapers unless he is over twelve years of age; shall not at any time, while engaged in working as a bootblack, or selling articles in public places, congregate with other persons, nor make any unnecessary noise, nor in any way disturb or annoy persons as they pass, nor cry their papers on Sunday, nor occupy any stand with any other person, nor allow any unlicensed minor to assist or accompany him, nor allow idle persons to assemble or congregate around him, or around any stand occupied by him, nor so work or sell in any place other than that specified in his license, when a place is so specified, nor at any time, while so working or selling, fail to wear conspicuously in sight the badge furnished to him by said Superintendent, nor fail to exhibit his license to any police or other officer of said city if requested by him to do so. The Superintendent may suspend or revoke said license upon the violation of any of the conditions thereof, and the minor shall surrender his badge and will be subject to a fine.

APPLICATION FOR LICENSE.

Somerville,.....
To the School Committee of the City of Somerville:—
I hereby apply as the parent or guardian of.....
Date of birth.....
Residence.....for a
License to Sell Newspapers,—Small Wares,—Flowers,—Black Boots
in the City of Somerville, until the beginning of the next school year in
September, 190.....

The minor so licensed hereby promises faithfully to comply with the
terms and conditions of the license issued him, and the rules and regu-
lations of the School Committee in relation to licensed minors.

(Signature of
Parent or Guardian).....

This boy attends.....School,
his attendance is.....
his deportment is.....
and I.....approve his being granted a license.

Signed,

.....Teacher.

I endorse the teacher's recommendation.

Signed,

.....Principal.

MINOR'S LICENSE.

Issued by the Somerville School Committee.

No.....

.....

Living at.....

is licensed in conformity to law and the terms of the regulations below,
as a NEWSBOY—

until the first Monday of October, 190.....

Attest:

.....

Superintendent of Public Schools.

N. B. This license must be renewed at the beginning of each school
year, and when the holder reaches the age of fourteen years he must
obtain another license from the Board of Aldermen. When a new
license is issued, the old one must be given up.

This license is granted on condition that the following conditions are
fulfilled: Here follows Section 169 of the Rules.

CARD FOR THE POCKET.

CITY OF SOMERVILLE.

Public Schools,.....

This is to certify that.....
has been granted a Minor's License by the School Committee for the
year.

No.....

NEWSBOY

Superintendent

Supervising Principals. There are in the city ten men and two women who bear this title. They are in charge of schools with from twelve to eighteen teachers. They long ago adopted teaching as a profession and qualified themselves for it. They have had an average experience of twenty-five years in the schoolroom. They are close students of all educational questions, and fully alive to whatever promotes or jeopardizes the interests of the schools. They are persons of good judgment, tactful in the management of children and others, interested in the welfare of their pupils and alert in promoting it, and worthy to bear the important responsibilities resting upon them.

These principals teach one-half their time; the other half is occupied in the supervision of the teachers under their charge. The general order and management of the school require a little time, and the care of supplies and clerical duties consume a little more, unless they delegate this work to an assistant. These principals are paid as much as three ordinary teachers receive. Whether their instruction is valuable in this ratio is a question on which judgment might differ. Their supervisory work is important and valuable. The aid and direction they give to teachers in teachers' meetings and by kindly criticism, their stimulus and encouragement of pupils, their skill and judgment in apportioning and directing work and grading and testing classes, and their success in harmonizing the general interests of the school and securing the loyal co-operation of teachers and parents are respects in which their value as supervisors is shown. Some of these principals have charge of sixteen or eighteen rooms. The majority of them have only twelve. There are twelve smaller schools that do not have the advantages of supervision of these experts that the larger schools enjoy. My purpose in calling attention to these masters and their work is to suggest that the twelve smaller schools be placed under the supervisory care of these principals. Those in charge of twelve-room buildings have ample time to give at least two hours a week to the work in smaller buildings. If advantages accrue from the influence and labors of these supervising principals, I see no reason why all schools should not share in such advantages. In assigning the supervision of schools outside their immediate building to these supervisors, we should be following the example of most other large cities where the plan produces excellent results.

I recommend that the supervisory duties of grammar masters be extended to include the smaller buildings. This increase in responsibility may well be accompanied by an increase of salary.

Manual Training and Industrial Education. It seems superfluous to add anything to what has been repeatedly said in one way or another in Somerville school reports for a series of years concerning manual training. All educators consider manual

training a most valuable form of education. The schools need it. The public demands it. The law requires it. You and your predecessors have attempted over and over again to introduce it as a feature of our school system. Your requests have been heartily endorsed by your fellow-citizens. But with all these efforts it has been impossible to secure money for the equipment of manual training rooms. It hardly seems possible to resist the demand for this line of school work much longer.

Manual training affords a measure of physical exercise; it is a diversion from book-work; it has a fascinating interest to nine boys out of ten; it is a valuable means not only of muscular but of mental training; it is a potent factor in the development of character; it teaches the dignity of labor; it is an essential preliminary to industrial training; it furnishes a foundation for the work of the future artisan; and from all points of view it is desirable and economical.

Our courses should be readjusted so that in every grade some form of hand-work other than drawing should be required of every child in the elementary schools. This work may be made progressive, and in the higher grades should take the form of shop-work with carpenters' tools. The majority of our girls are provided with that most practical form of hand-work, sewing. In addition, they should receive instruction and practice in cooking and in all the domestic work and duties that fall to the lot of a woman at the head of a home. I know that it is claimed that the home should furnish such training. True enough, the home should furnish many things that are now relegated to the school, to the church, and to the public, but so long as the home does not discharge duties important to the well-being of the family and the community, the schools must do it. The law gives the school committee authority to equip manual training and cooking schools. The expense of maintenance is as legitimate as any other expenses made by the committee.

I recommend that the board equip both manual training and cooking schools, in two centres, at least, and employ instructors therein.

Probably the most vital question now before the educational public is the establishment of industrial or trade schools. There is a demand everywhere for skilled labor. Boys whose school life ends at their grammar school graduation are poorly equipped for the struggle that lies before every person in these days of keen competition and marvelous progress. Most of them secure a three or four-dollar-a-week job. Dissatisfied with slow advancement and poor pay, they drift from one form of business to another, and accomplish little or nothing. The graduates of our high schools who do not continue their education in higher institutions are forced to seek employment commensurate with their ability and training. Those who have taken the commercial courses find little difficulty in securing self-supporting positions.

Boys who have taken manual training and science work generally secure remunerative employment without difficulty. Others who have taken only the academic course engage in various and varying occupations for which they have received no training, and the income from which is consequently small and uncertain.

Industrial and technical schools are needed in which boys and girls from sixteen to twenty-one may receive, at public expense, education in some trade or industrial pursuit that will make of them skilled workmen ready to enter at once without apprenticeship upon their life business.

The movement in favor of industrial schools in this country has grown out of a recognition of our industrial needs, and has been stimulated by the experience and example of foreign nations, especially Germany. The commercial and industrial supremacy of this people is largely due to the splendid equipment and training furnished by commercial and trade schools. German commercial agents visit various countries to solicit business, and they have not only a thorough knowledge of the language of the peoples with whom they are to trade, but have an all-sided, practical knowledge of the business in which they are engaged. Moreover, the trade schools of Germany produce skilled artisans, and, in the long run, the products of such men supply the world's markets. In the city of Berlin alone there are to-day thirty of these trade schools which give instruction and training in every line of work. Even barbers and chimney sweeps may learn their business in them. The day is nearly at hand when similar schools will be found supported at public expense in all our large cities. Even with us very recently an influential body of citizens has petitioned for the establishment in Somerville of a trade school. Such schools furnish that practical form of education that appeals to the average man. They meet material needs.

All these things mean changes in our schools. They mean fewer books and more tools. They mean a larger outlay. They mean for a certain portion of the community less instruction along literary lines and more that shall directly equip the future citizen to be not simply a wage-earner, but an intelligent factor in the general advancement and prosperity of the community and the state.

"The trade school in the United States does not hold such an important place as it does in Europe. The cleavage lines in society are so clearly marked that the boy born to a lowly position in life is quite willing to banish ambition, to enter a trade school, and to become a skilled mechanic. With us the boundless ambition of the young American too often entices him to aspire beyond his capabilities and spurn a trade school. Also, the influence from pedagogical circles is so strongly exerted for a 'symmetrical development' that trade schools are rated below educational par. However, the demand for them is keen, and they are being established because of their economic value. There are six building and mechanical trade schools in New York and Brooklyn, three in Boston, two in San Francisco, and two in Philadelphia. New York has two brewing academies; Chicago and Milwaukee one each.

Philadelphia, Lowell, New Bedford, and Atlanta have textile schools. Chicago, St. Louis, Omaha, Peoria, Waltham, Winona, and La Porte have watchmaking and engravers' schools. The universities of Wisconsin and Minnesota and the Iowa College of Agriculture have schools of dairying. For dressmaking, millinery, and the domestic arts and science, schools exist in Boston, New York, Brooklyn, St. Louis, and Philadelphia. Eight cities contain schools to teach telegraphers; Effingham, Ill., has a college of photography, and New York an academy for shipbuilders."—Scientific American.

Medical Inspection. The prolonged efforts of the school board and the board of health to secure regular medical inspection of the schools have been rendered effective by the legislative enactment which makes such inspection incumbent upon one of the two bodies named, provided money is first furnished to defray the expenses.

The work in Somerville has been delegated to the board of health, the school board, through a standing committee appointed for the purpose, co-operating as far as possible in the matter. Money having been furnished by the city government, the regular work of inspection began on the fifth of December. The schools of the city have been divided into seven districts, with physicians in charge as follows:—

District 1,—Prescott, Hanscom, Davis, Edgerly.—Dr. Francis Shaw.

District 2,—Baxter, Knapp, Perry, Bell.—Dr. D. S. Flewelling.

District 3,—Bennett, Pope, Cummings, Proctor.—Dr. L. H. Raymond.

District 4,—Morse, Carr, Durell, Burns.—Dr. W. L. Bond.

District 5,—Brown, Bingham, Forster.—Dr. H. M. Stodley.

District 6,—Lincoln, Hodgkins, Highland, Lowe.—Dr. Herbert Cholerton.

District 7,—Glines, English High, Latin High.—Dr. R. F. Gibson.

District 8,—Parochial.—Dr. M. W. White.

In order that the method of procedure in its details may be made a matter of record and that information may be furnished to the citizens and others interested, the blanks prepared and used are here given. They will furnish complete information as to the method by which the work of inspection is carried on.

(No. 1)

TO THE PARENTS AND GUARDIANS OF CHILDREN IN THE SCHOOLS OF SOMERVILLE:—

For many years the pupils in the schools of our city have been provided with the best possible educational advantages. Every effort has been made to obtain the most efficient teachers and practical textbooks, and no money or time has been spared in carrying out the most modern methods of instruction. In addition to this, the city has endeavored to provide school buildings which should be well ventilated, properly fumigated when necessary, and fitted up with adequate sanitary conveniences.

It seems important, however, that while the minds are being trained,

the health of the bodies should be more carefully guarded than heretofore. To this end, the utmost precaution should be taken to prevent the spread of contagious diseases among the children, and to ascertain physical defects which may prevent the pupils from proper mental or physical development.

Therefore the board of health is about to institute a system of medical inspection in the schools of Somerville. A medical inspector (who is a practicing physician) will visit the school each morning and examine all pupils who appear ill or show evidences of disease. If the pupil is found to be suffering with a contagious disease or seems too ill to remain at school, a printed slip will be given to him, addressed to the parent or guardian, advising that the family physician should be called, and the pupil will be sent home. Under no circumstances will the inspector advise any special physician or method of treatment (except that a slip describing the treatment for lice will be furnished, when they are found), and every effort will be made to avoid hurting the feelings of the pupil or alarming him.

In addition to this, at stated intervals the pupils will be examined in a general way, and if abnormal conditions of the eyes, ears, nose, throat, or skin, or any general diseases are discovered, the attention of the parents or guardians will be called to the conditions.

The inspector will also frequently examine the ventilation, drainage, and other sanitary arrangements of the school buildings and premises, and any defects will be at once reported and corrected.

The board of health desires your hearty co-operation and support in carrying out its plans. Everything which will be done has for its single purpose the protection of the health of the pupils. You may greatly assist the board and help to prevent diseases and physical defects by cheerfully and promptly complying with its requests.

Respectfully,

ALLEN F. CARPENTER,
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.,
Board of Health.

(No. 2)

TO THE PHYSICIANS OF SOMERVILLE:—

The board of health is about to institute a system of medical inspection in the schools of the city. Each morning a medical inspector (who is a regular practicing physician) will visit each school and examine all pupils who appear to be ill, or who show evidences of disease. If suffering with contagious diseases or too sick to remain in school, they will be sent home with a slip addressed to the parent or guardian advising that the family physician be consulted. Under no circumstances will the inspector advise any physician or method of treatment, except that when pediculosis is found, a printed slip describing the use of crude petroleum for the condition will be furnished.

A general examination of the pupils is made at stated intervals, and if any abnormal conditions of the eyes, ears, nose, throat, or skin, or any general diseases are discovered, the attention of the parents or guardians will be called to the conditions, and consultation with the family physician will be advised.

The inspector will also have a general oversight of the sanitary arrangements of the school buildings, fumigation, the exclusion of pupils from school on account of contagious diseases, and their return after such exclusion.

The board of health expects that the medical inspection of the schools will result in greatly reducing the number of cases of contagious diseases among the pupils, as well as leading to the discovery and correction of many of the defects which prevent proper mental and physical development. It is earnestly hoped and confidently expected that the

physicians of Somerville will heartily co-operate with the board of health in its endeavors to successfully carry out this inspection.

Respectfully,

ALLEN F. CARPENTER,
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.,
Board of Health.

(No. 3)

REGULATIONS FOR MEDICAL INSPECTORS.

1. The inspector shall enter each of the school buildings which are subject to his inspection during the morning of every school day, and shall be subject to call of the principals, in cases of special emergency, during the entire time which the school is in session. He shall receive from the principal of the school the slips which have been filled out by the teachers, giving the names and rooms of the pupils who show evidences of sickness, and shall examine those reported. After such examination, he shall state on the slips the diagnosis and disposal of the cases. The slips shall be kept on file by the principal of the school. Care must be taken not to alarm a pupil, and his condition must not be discussed in the presence of any other pupil.

2. All children who show any evidences of contagious or infectious diseases, or who seem too ill to remain in school, shall be given a slip properly filled out, and sent home.

3. At least once each year the inspector shall make an inspection of each of the children in the schools under his charge, and if any abnormal conditions are found which, in his judgment, interfere with the proper mental or physical development of such children, these conditions shall be reported to their parents or guardians.

4. The inspector shall enter and inspect such rooms and parts of the school buildings and premises at such times as he deems best for the protection of the health of the children, being always careful not to disturb the work of the school more than is necessary.

5. At least once each month the inspector shall make a careful examination of the ventilation and sanitary arrangements of each school building, and shall at once report any defects to the board of health.

6. Under no circumstances is the inspector to recommend any special physician or method of treatment, except that in cases of pediculosis, the printed slips describing the treatment for this condition are to be furnished to the affected pupils.

7. The inspector shall give any needed advice or assistance to the teachers in making the tests of sight and hearing, shall have an oversight of the exclusion of pupils from school on account of contagious diseases and their return after such exclusion, of vaccinations, and of all means which are employed to prevent the development and spread of contagious diseases. He shall endeavor in every way to see that the regulations of the board of health are carried out, and shall at once report to the board any contagious diseases or violations of regulations found in the schools.

8. The inspector shall, on the first of every month, send to the office of the board of health a report of the work done during the preceding month, together with any comments or suggestions which he may deem advisable.

ALLEN F. CARPENTER,
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.,
Board of Health,

(No. 4.)

SOMERVILLE BOARD OF HEALTH.
Medical Inspection Department.

Report of Medical Inspector for the Month of....., 190 .

LIST OF DISEASES	SCHOOLS						TOTALS	Comments or Suggestions:—
TOTALS								

Number of pupils examined.....

Number sent home.....

Medical Inspector.

(No. 5)

Keep on File.

TEACHER'S STATEMENT.

(Name).....Room No.....

Complaint School

PHYSICIAN'S STATEMENT.

PHYSICIAN'S STATEMENT.

Diagnosis

Advice

.....

.....

.....

(No. 6)

SOMERVILLE BOARD OF HEALTH.
Medical Inspection Department.

Somerville,190

To the Parent or Guardian:—

Symptoms of illness have appeared in the case of....., and you are advised to place the child under the care of your family physician.

The child must NOT return to school until well, without special permission from the Medical Inspector.

Very respectfully,

BOARD OF HEALTH.

(No. 7)

..... School.
Somerville,190 .
.....has been reported
by the Medical Inspector of Schools as showing evidence of parasites in
the hair, and I am therefore obliged to request that the child be kept
out of school for a few days until the disease is cured.

..... Master.

The following method of treatment for killing parasites and nits is
recommended by the Board of Health:—

Wet the hair thoroughly with crude petroleum, of which half a pint
may be obtained at a drug store. (See accompanying prescription.)
Keep it wet for three hours. Then wash the whole head with warm
water and soap. Repeat this process on three successive days. The
nits may then be removed by combing the hair very carefully with a fine-
toothed comb wet with vinegar. Repeat the combing for several days
until no more nits can be found. To make the treatment easier and
more thorough, the hair may be cut short if there is no objection.

All the children in a family are likely to be affected, and should also
be treated as above.

Brushes and combs should be cleansed by putting them in boiling
water for a few minutes.

(No. 8)

PREScription FOR PETROLEUM.

To be filled at a Drug Store.

Recipe

Crude Petroleum.....eight ounces
SIG. Apply to the Hair as directed.

(No. 9)

SOMERVILLE BOARD OF HEALTH.

Medical Inspection Department.

Somerville,190 .

The parent or guardian of.....
at.....is hereby informed that a physical
examination by the Medical Inspector seems to show the following ab-
normal condition:—

.....
.....
.....

You are advised to take this child to your family physician for
advice and treatment.

Very respectfully,

BOARD OF HEALTH.

This Notice Does Not Exclude the Child from School.

(No. 10)

PRINCIPAL'S RECORD OF PHYSICAL DEFECT.

Keep on File.

NameAge.....
Address
SchoolRoom.....Date.....

Defect:

Remarks:

The law requires that there shall be an annual test of sight
and hearing conducted by teachers according to directions fur-
nished by the state board of education in conjunction with the
state board of health. These tests have been begun, but as

teachers are obliged to make them under unfavorable conditions in many cases, and as they require considerable time, it is impossible now to announce any results.

A careful record is made of the condition of each eye and each ear of every pupil, and in case of defective vision the following communication is addressed to parents:—

COMMONWEALTH OF MASSACHUSETTS.

Notice to Parent or Guardian.

In accordance with Chapter 502 of the Acts of 1906, you are hereby notified that the school examination of..... shows that there is some trouble with the ears, eyes, which needs competent medical advice. Please attend to this at once.

.....Teacher.
.....190 .

Suggestions of Masters. I have already spoken of the masters of our schools as persons of intelligence, of professional training of long experience, of good judgment. They know their schools. They understand fully the trend of educational movements. They are informed concerning the needs of the community in which they teach. They hold positive and independent views. They are loyal to the school authorities and to the city which employs them. Holding this estimate of them, and feeling that their opinions concerning the schools are based on an intimate knowledge of the conditions, I asked them, some time ago, to suggest changes which in their opinion would increase the efficiency of the schools and enable them more fully to meet the needs of the community. The replies vary materially, as might be expected. In many of the suggestions there is practically unanimity. I give below the principal of these, with now and then a word of comment withholding any indication as to their source:—

1. "Instruction in manual training should be given to the boys of the grammar grades, and lessons in domestic science to girls of these grades."

2. "In every large building a competent teacher, sympathetic and expert, should be employed to teach backward children, either individually or in a class in a room devoted to this specific use."

One child in ten, that is, fifty out of 500, remains a second year in the grade and repeats the work, ordinarily with little relish. This may not be through any fault of the child, but may be due to long-continued absence or other misfortune. In many cases his mental equipment demands direction and aid which come only through personal contact.

3. "Promote the entire class."

"Promote no pupils who fall below in arithmetic and language, regardless of their general average."

The whole question of promotion is surrounded with difficulties. What is best for the individual should control. Natural ability, age, future occupation should all be considered. The higher grades and the high school should be open to every faithful, ambitious student to accomplish what he may within rea-

sonable time limits. Give the meritorious a chance, even if they are slow or "born short" in some directions.

4. "Raise the age of admission to the first grade."

"Admit only those who are six on or before January 1 of the school year, and extend kindergarten training."

"Admit to the first grade only those that are six years of age on October 1."

"Adopt an eight-years' course with sixteen grades, admitting to the first grade twice a year, and holding half-classes in the highest grade for the first part of the year."

"Four hours a day is enough for the first grade."

These cognate subjects are discussed with some fullness later in this report.

5. "There should be more flexibility in the course of study and larger option on the part of teachers to adapt it to the varying needs of pupils."

"Shorten the curriculum, that the work may be more thorough."

"Cut down the requirements in grammar and arithmetic, and devote more time to oral and written language."

"Provide a course in civics."

"Introduce the study of algebra in the ninth grade."

"Provide more time for study in school."

"There should be more home-study on the part of children."

These suggestions have to do more or less directly with the course of study, the revision of which is now under consideration.

6. "Secure a more active co-operation of parents in the work of the schools."

"Awaken in parents a sense of the responsibility for the conduct of children in the street."

A communication from one of the masters bearing on this general subject has been already given. Parental interest, sympathy, co-operation are essential to the success of the teacher. In general, these things are cheerfully accorded. There are many homes from which no help comes and from which none can be expected. The teacher must do the parents' work and her own besides. The functions of the schools, of evening schools, particularly, must be enlarged, their work diversified, and their influence strengthened. Mothers' meetings or parents' meetings, of which a number have been held during the year, bring mothers and teachers into touch with one another and are salutary in their influence. The union between parent and teacher should be so close that they will always work together in every laudable effort to secure the good of the child.

7. "Raise the salaries of the teachers (1) to enable us to enter into successful competition with neighboring municipalities in securing the best teachers, (2) in view of the increased cost of living."

"Establish salaries on the ground of merit before being forced to do it by the recognition of this merit by other cities."

Ultimately all teachers will receive larger salaries. The basis of increase will be merit rather than length of service,—by the extension of civil service rules and methods. The difficulty lies in establishing a system of selecting the meritorious teacher.

Academic tests will not suffice. Any adequate measure of efficiency must include the investigation of (a) the teacher's personal qualifications,—character, health, manners, habits, love for the young, adaptability, tact, and loyalty to her principal, her school, her fellow teachers, and the teaching profession; (b) her theoretical knowledge of the art and method of teaching; (c) her actual experience and success as a teacher in control, instruction, and influence upon character. This is a difficult task, but one that can be accomplished if competent judges can be found who are free from personal and political influence.

8. "Employ a director of physical training and a supervisor of elementary science."

9. "Before entering the high school, graduates of the grammar schools and their parents should receive more information and expert advice with regard to the character of the work and choice of courses."

Too often these matters are left to the immature judgment or the whim of the pupil. He is not only undecided as to his future, but ignorant of what is educationally the best for him. He does not know what biology is, or physics, or chemistry. He often chooses unwisely. He flounders purposelessly in the school for a few weeks or months, and then drops out. Expert advice at the outset as to his choice and a right start would often lead to the completion of the course.

10. "Place feeding schools under charge of the masters."

"Give teachers some voice in the selection of the tools with which they work."

"Abolish the district system."

One reply presents and emphasizes certain important matters so well that it is quoted nearly in full. It is as follows:—

(a) Our schools are emphasizing commercial and professional preparation only. We are giving a one-sided development. We ignore some of the faculties of the children, and, while we as teachers do not intend it, the effect of our system and methods is to deprecate all industrial or mechanical pursuits. We are not only failing to give the right kind of training to secure a well-rounded development, but, owing to the lack of opportunity for the children to discover their own natural tastes and capabilities, and further because of the prejudice very naturally arising in their minds against all manual labor, we are shutting them out from the most profitable fields of endeavor our country offers. The statement has recently been made by excellent authority that Germany has in thirty-five years risen from an agricultural country to an industrial power of the first rank, and this through her system of public education. Nothing short of blindness or false economy can keep us from recognizing the immense value of manual and of industrial training both for the sake of the children individually and for our own sake as a people in our struggle for our share of the world's wealth. We have seen England outstripped in the race, but the lesson seems to be lost upon most of us. We can infinitely better spare our kindergartens than to dispense longer with manual training in the grammar schools. I therefore recommend that the money now expended for kindergartens be devoted to manual training in our highest three grades.

(b) There is room for vast improvement in our supervision. It is a physical impossibility, considering time only, for one man to supervise all of our schools. Results are uneven in different schools and in different grades. There are children who on entering the sixth grade

can scarcely read, who have very little language power, who do no outside reading, and who know practically nothing of our public library and its treasures, and who have neither the inclination, taste, nor ability to read books suited to their age. These children are placed in the same classes with those comparatively well equipped, greatly to the detriment of the latter.

I recommend that feeding schools be placed under the supervision of supervising principals, who shall be required to inspect and examine the work of those schools as they are at present expected to do in the larger buildings; that the superintendent require reports from time to time of such inspection and examination, and that such supervising principals bear the same relation to the smaller schools with respect to selection of teachers, conferences, work, examination, promotion, etc., as to the teachers and classes in their own buildings.

The quality of the work of the schools would be greatly improved if supervising principals were to have conferences as a body with the superintendent. This would afford the latter ample opportunity to indicate his policy, plans, and methods.

(c) Our method of selecting text-books is open to question. The publishers of a successful book are most triumphant after the selection of their book by a committee chosen from the teaching force, and such a victory they advertise far and wide; and most doubt is cast upon that selection which is made by school boards alone, contrary to the views of the professionals. I recommend that either the teaching force be given representation on the text-book committee, or that committees from that force be appointed who, after ample opportunity for examination of competing books, shall report their preferences to the text-book committee, who should honor such selections, and whose recommendations to the full board should in turn be honored.

(d) I believe we do not place sufficient emphasis upon the teaching of civics. It should have a place in our programmes, and a text-book on the subject should be furnished to every child. We spend but little on military display, beautiful monuments, and other means of cultivating civic pride and loyalty as compared with some European countries. In view of our heterogeneous population, we cannot afford to lose the opportunity the schools offer for coping with the evils of unsightly streets, squalid and unsanitary conditions in and about our poorer homes, hoodlumism, lawlessness, and anarchy. It has often been said that little can be done for adults.

(e) Our schools would be materially benefited by a higher grade of salaries in the grammar schools. The cost of living has increased so much that teachers do not actually have as much to live upon as formerly. General prosperity has been so great that corporations, private individuals, and even the United States government have in many cases voluntarily raised salaries and wages. Everybody has had a share of our added wealth but the school teacher, the masters of our grammar schools having received no increase of salary in a decade. Our schools are offering insufficient inducement to young people of ability, education, and culture to fit themselves to teach. Somerville clearly is not doing its duty by the teachers.

Length of Elementary School Courses. There is a demand, more or less urgent, for the shortening of the time a child must spend in school. The reasons given are twofold, (1) that the college-bound pupil may enter college at an earlier age, and (?) that others may enter upon their life pursuit as early as possible. Throughout the country in general the elementary course covers eight years, exclusive of the kindergarten. In Massachusetts its length is nine years, with few exceptions. The high school course in general is four years long, although there are excep-

tions in favor of five years. Two points are to be noted;—whether the course covers the longer or the shorter period,—(1) the average age of graduates is about the same, and (2) a portion of the elementary school graduates do their work in eight years or less, while many require nine, and a few need ten years or more. In every school are found two classes of pupils, the bright and capable, and the slow and less capable. Everywhere there is a difference either in the time allotted for the completion of the work or else in the amount of work required of these two kinds of pupils.

How to classify pupils so that each one may cover the course in what is for him the shortest possible time is an important, but difficult, matter. In this city there are comparatively infrequent promotions of pupils who either skip a grade or attempt to do two years' work in one. There is, ordinarily, a decided loss when this is done.

For several years the neighboring city of Cambridge has followed a plan of classification by which the brighter section of classes may be advanced as rapidly as they accomplish the assigned work. The average of the last five years shows that in the three primary grades five pupils out of every hundred do the work in less than the prescribed time,—three years. Thirty-five out of every hundred require four years or more, the average time for a pupil being three and one-third years.

In the grammar school, out of every hundred, six have fitted for the high school in four years, and twenty-seven in five years. Fifty-two have taken the allotted time of six years, while the remaining fifteen have required seven years or more, the length of the grammar course for the average child being five and three-quarters years. It should be remarked that the high school college course in Cambridge covers five years instead of four.

This plan shortens the course of one-third of the graduates of the grammar schools by one year or more without any apparent loss, and on this account is certainly worthy of imitation.

The city of Boston has recently adopted a scheme of classification differing somewhat from the Cambridge plan, but designed to accomplish the same result. The course is divided for the average student into nine annual parts as at present. For those able to shorten their course the same work is divided into eight annual parts. Each classroom contains two sections, each of which, without much reference to the apportionment of the work by years, progresses as rapidly as its ability justifies. The eight-year section, it is expected, will anticipate each year about one-eighth of the work of the next year, and in this way will be graduated at the end of eight years. The other section will take nine years or longer, as the case may be. It is thought that in this way the elementary course for sixty per cent. of the graduates will be eight years only. This is probably an over-estimate.

The time element, however, is considered subordinate by those who have made the plan, gains in other directions being far more important. Among the advantages expected, the following may be mentioned: (1) The development in the pupil of the spirit of self-reliance and his mastery of difficulties without the aid of the teacher; (2) the flexibility of the course, adapting it to the varying abilities of pupils, and the resultant increase of interest in the work; (3) the possibility of changing a pupil from any one of the seventeen sections to another without the loss of time; (4) the opportunity afforded the teacher to give individual instruction exactly adapted to needs; (5) the larger opportunity for study in school instead of at home.

In last year's report it was suggested that we might exclude children from the first grade until they reach the age of six, and then it would be possible to do in eight years what now requires nine. It is the opinion of nearly all our first-grade teachers,—among whom are many of long experience and excellent judgment,—that it would be better for children to enter the first grade at the age of six. While this plan is doubtless possible, I am convinced that the objections to it are so serious as to make it impracticable. The work required of our five-year-old children should be changed, both in amount and character. Some plan should be adopted whereby college-bound pupils may commence the study of Latin earlier, even if a fifth year should be taken in the high school. It is also very desirable that some scheme of classification, either like that in Cambridge, or in Boston, or something wholly different, should be adopted so that the time may be shortened and the work required wisely apportioned. The matter is commended to your consideration.

Physical Training. To what extent are the schools responsible for the health and physical vigor of children? The health of children depends upon (1) a regulated diet of proper food; (2) regular and sufficient sleep; (3) the proper care of the body and its functions; (4) pure air at all times; (5) free and unrestrained exercise in play in the open air or in useful employment; (6) freedom from exposure to contagious disease or unsanitary conditions. The most of these essentials can be secured only by the home. The school controls the child one hour out of ten. For what the child is during the remaining nine hours the parents are chiefly responsible. The schools cannot regulate diet nor prescribe hours of sleep. They cannot secure sanitary conditions in the home, nor can they direct the open-air exercise of children. These four things are by far the most essential factors in promoting health.

It is in the power and among the important duties of the schools to secure to the child pure air of the right temperature, comfortable and hygienic seating, freedom from danger of contagion and unsanitary conditions during the tenth of his time that he spends in school. These obligations that rest upon

school authorities are recognized and, I think, fairly well provided for. Our school buildings are all probably much better ventilated than the ordinary home. The establishment of regular medical inspection will ensure all reasonable security against contagion and other injurious conditions. In the large majority of cases, children are provided with the best seats that skill and experience can devise. It is, moreover, the province of the school to see that no tasks are imposed upon children beyond what they can accomplish without being over-burdened or injured. Constant effort is made by teachers to secure ideal conditions in this respect. It is, however, doubtless true that occasionally teachers in their zeal for results may overstep the limits.

The law requires that all children shall receive instruction in physiology and hygiene,—that is, concerning (1) the functions of the various parts and organs of the body, and (2) their proper use and care. While in our schools there is a technical compliance with the law, I do not think that its general spirit is carried out as it should be. Our time schedule allots twenty-five minutes a week for instruction along these lines, with the specific direction “that three-quarters of this time shall be devoted to real practical temperance and anti-cigarette instruction.” This leaves a meagre allowance of six and one-quarter minutes a week to teach the child the structure, functions, and care of the various organs of the body; the necessity of pure air, personal cleanliness, proper exercise, healthful food, regular diet, hours for sleep, proper care of the eyes and teeth; what is to be done in emergencies or in the case of injury, or poisoning, or drowning, or sunstroke; the care of the sick, and many other practical matters that affect living and life itself. The attention of the board is particularly called to this matter.

The law places what is called “physical training” among the subjects optional with school authorities rather than in the compulsory list. Some states make instruction in this subject obligatory in every school. There are few schools in the state in which the necessity for some specific training of the body is not recognized and prescribed. In the elementary schools in Somerville we have long had the Ling system of gymnastics, instruction and practice in which are given for from five to fifteen minutes daily in all schools by the regular teacher. The objects of a system of physical training are the following:—

“1. A stimulation for growth of the body in general, and development of the vital organs in particular.

“2. The development of strength, quickness, and agility.

“3. The removal of bodily defects or conditions brought about by school life.

“4. The increasing of vitality, so as to give the body that resistance against sickness which is needed to live well.

“5. A general basic training of those psychic powers which are necessary for the growth of the will-power, and which are recognized as obedience, submission to rules and order, perseverance, courage, self-reliance, and self-control.”

I think all who possess knowledge in the matter will admit that these objects are very imperfectly attained in our schools. No attempt at all is made to give physical training to high school pupils. Twenty-five or thirty boys get a training, more or less valuable, out of school athletics. A few girls secure certain supposed advantages from basket ball. It would be deplorable if all the girls in our high schools sought physical development by indulgence in this questionable game. Neither should we be satisfied if all high school boys engaged in baseball and football as strenuously as the representative teams do. If the consensus of opinion of experts and students of the subject of the physical needs of growing boys and girls is of any value, there certainly should be a regular and scientific system of physical training introduced into our high schools. Facilities should be provided therefor. Separate gymnasiums for boys and girls fully equipped are important. Our schools are open to criticism in their failure to provide for the demands in this direction.

The calisthenic exercises in the elementary schools have lost their flavor with teachers and pupils. They have become monotonous and perfunctory. To secure the objects above enumerated, a revival is needed, and a new impetus and enthusiasm should be developed. This can be done only by the employment of a competent supervisor. A suitable instructor should be employed for the high schools, and the best available facilities should be provided for physical training for all pupils. I recommend that such supervisor and such instructor be engaged at the earliest possible day.

Ethical Instruction. It is a significant fact that there has been recently formed an international organization for the promotion of moral instruction in the public schools. The American section is under the direction of some of the most distinguished educators in the country. This is at once evidence of a widespread need and of the conviction that the schools are to be the chief instrument for the attainment of the desired end. Of the need of a higher standard of honor among business men, of a clearer sense of obligation on the part of custodians of trusts, of a stronger spirit of loyalty to official duty, of a wider recognition and observance of the fundamental principles of honesty and integrity, no one at all conversant with the financial and political history of the last few years can fail to be convinced.

To raise the standard of moral conduct and to build the character of future citizens on the bedrock of the Ten Commandments, without fealty to which there can be no permanent prosperity, becomes the foremost duty of the home, the school, the church, the press, and of every other agency that may make for righteousness. Many homes are weak, the church fails to meet the need, and the press too frequently is silent where it ought to thunder. It rests, therefore, in double measure upon the schools

to mould the plastic material in its hands; to inculcate from the outset by precept and by example, by indirect teaching and by direct instruction, sound moral principles; to make the child self-governing; to insist on obedience to just requirements in the home, the school, the community; to demand unswerving honesty in all things; to cultivate a spirit of honor; to impress the need of purity in thought, word, and deed; to place integrity above self-aggrandizement; to implant an enthusiastic loyalty to city, to state, to the flag; to teach that truth and probity far outweigh wealth and power; and to ground deep in every heart the conviction that unselfish service for others is the highest form of living.

To these great ends every teacher, every school official, every good citizen may contribute, and when all are attained we may together celebrate the dawn of the millennium.

A recapitulation of the recommendations made in this report is as follows:—

1. Provision for the present needs and future growth of the English High school.
2. The enlargement of the Hanscom schoolhouse.
3. The enlargement of the Brown schoolhouse.
4. The enlargement of the Hodgkins or the Lincoln schoolhouse.
5. Increase of salaries of grade teachers based on merit.
6. Provision for an occasional year of absence for teachers for study and travel on half pay.
7. Change of grading to make shorter courses possible.
8. Various improvements in school buildings.
9. Co-operation of school authorities and citizens with court officers in reformation of juvenile offenders.
10. The equipping and opening by the school board of manual training and cooking rooms for elementary schools.
11. The employment of an expert to supervise physical training in the elementary schools and an instructor for high schools.
12. The extension of the work of supervising principals to include the smaller schools.
13. The enlargement of the work of evening schools and the establishment of educational centres.
14. The employment of an extra teacher for backward children, in each large building.
15. The giving of greater attention to ethical instruction.

Thanking the board individually and collectively for the year's courtesies and guidance, and teachers and supervisors for loyal co-operation and faithful service, I respectfully submit this report.

G. A. SOUTHWORTH,
Superintendent of Schools.

By vote of the board at the meeting held May 28, 1906, the following was adopted and a copy sent to the family of Mrs. Snow:—

Mrs. Jennette Billings Snow, a teacher in the Bennett school, died in Sharon May 1, 1906. Mrs. Snow was for six years at different periods a faithful and efficient teacher in our day and evening schools. She easily won and held the respect and regard of her pupils, in each of whom she took a warm, personal interest. The influence of her life and character will long survive, and she will be kindly remembered by all who received her instruction or were associated with her in any way.

ORGANIZATION OF SOMERVILLE SCHOOLS.

Information concerning our schools is frequently sought by citizens or by educators in other localities. Following are the principal facts concerning them:—

Kindergartens. The city supports four kindergartens, in the Hanscom, Bennett, Baxter, and Glines schools. Vaccinated children between four and five years of age are admitted to the kindergarten nearest their residence during the months of September and April, and may remain until the July following their fifth birthday. Sessions from 9 to 12.

Head kindergartners receive \$600. One trained assistant is allowed when the number exceeds thirty, at a salary of \$275, \$350, or \$425, according to experience. Kindergarten teachers give five hours daily to their work, the afternoon being employed in visitation, preparation, mothers' meetings, and the like.

Primary Schools. Our elementary school course covers nine years, the first three of which are spent in primary schools. We have one exclusively primary school building, the ninety-five primary classes being distributed among twenty-three schoolhouses.

Vaccinated children five years of age, or who will reach that age on or before the first day of October, are admitted during the month of September only, provided they have never attended school before. Children able to enter existing classes will be admitted at any time. Applications for admission should be made to the principal of the school.

Only trained or experienced teachers are employed, the salaries being \$300, \$375, \$450, \$525, \$600, or \$650, according to length of service. Normal training is equivalent to a year's experience, and experience in other places may be counted in determining salary.

First-grade teachers, with classes numbering fifty, are allowed an assistant, who is paid \$200, \$275, \$350, or \$425, according to years of service.

Grammar Schools. The grammar grades are found chiefly in twelve large buildings, of twelve or more rooms each. The course covers six years, and includes only those studies which the statute requires, with the addition of music, sewing, and elementary science.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$725. Other ninth-grade teachers are paid \$700. Principals of smaller schools receive \$725, \$775, or \$900 each.

Promotions. Promotions in all grades, from the first to the thirteenth, are made in June by the regular teacher and the principal, with the approval of the superintendent and district committee. They are based on the estimate of the pupil's daily work

made by the teacher and recorded bi-monthly. An occasional brief, unannounced, written test is a factor in this estimate.

Where there is reasonable doubt of a student's fitness, he may be promoted on a trial of three months. In such cases the parent is notified and kept informed of his child's progress. At the end of this probationary period he may be returned to his former grade, provided it seems for his interests. In 1906 ten per cent. of those promoted on trial fell back.

Children capable of more rapid advancement may be promoted one or more grades at any time. Forty-one were thus promoted in 1906.

Fitness for graduation or for admission to the high schools is determined in precisely the same way. Diplomas are given in grammar and high schools to those who have satisfactorily completed full courses.

Latin High School. In September, 1895, in the forty-third year of its existence, the Somerville High school was divided, the classical, or college preparatory, departments remaining in the old building, erected in 1872, and the English departments occupying a new building, erected in 1894-'95.

Some facts concerning the Latin school are presented in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to Teacher.
1895-6	257	69	50	\$11,702	\$45.57	9	28.6
1896-7	262	81	51	11,840	45.19	9	29.1
1897-8	273	86	55	11,921	43.67	9	30.3
1898-9	264	78	51	11,935	45.21	9	29.3
1899-0	245	65	48	12,491	50.98	9	27.2
1900-1	271	104	56	12,676	46.74	9	30.0
1901-2	314	114	56	12,583	40.13	10	31.4
1902-3	358	125	46	14,170	39.58	11	32.5
1903-4	398	122	73	16,104	40.46	13	30.6
1904-5	411	138	76	16,566	40.31	13	31.6
1905-6	431	135	81	16,991	39.42	14	30.8

The object of the school is, primarily, to furnish a suitable preparation for those pupils who desire to pursue either a regular or a special course of study at higher institutions of learning, but the school is open to all pupils who wish to take the courses of study offered.

The regular time for completing the course is four years. Pupils, at the request of their parents, can make the work of each year easier by taking five years for the course. Those who are capable, and have good reason for shortening the time of prepa-

ration, are allowed to complete the course in as short a time as their ability will permit.

Graduates of grammar schools are admitted to either high school on presenting a certificate of qualification signed by a master. All other pupils are admitted by an examination in grammar school studies, given usually on the day preceding the opening of the schools in September.

The tuition for non-residents is the per capita cost for the year, payable in advance. The sessions of the school are from 8.30 to 1.30. The salaries paid high school teachers range from \$900 to \$1,200 for women and from \$1,000 to \$3,000 for men.

English High School. This school was organized in September, 1895. Information concerning it is found in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to a Teacher.
1895-6	456	213	67	\$20,102	\$44.13	21	21.7
1896-7	531	235	70	23,010	43.33	21	25.3
1897-8	535	224	75	24,843	46.44	22	24.3
1898-9	575	231	86	26,159	45.49	23	25.0
1899-0	669	316	83	31,322	46.82	27	24.8
1900-1	691	249	97	32,739	47.35	30	23.0
1901-2	738	294	108	35,989	48.74	34	21.7
1902-3	747	264	135	36,843	49.32	33	22.6
1903-4	728	264	106	36,426	50.04	33	22.1
1904-5	784	339	135	39,634	50.56	33	23.8
1905-6	893	378	127	39,823	44.60	35	25.5

The course of study covers four years. Graduates are admitted to special courses when the conditions are favorable. Candidates for technical and normal schools take specific preparatory work.

The wide range of elective studies is a distinctive feature of the school. The choice of the first year may be one of the following: Latin, French, German, biology (botany and zoology), manual training, and mechanical drawing. To these, physics is added for the second year, and chemistry, geology, and astronomy for the third and fourth. After the second year two or more electives may be taken. Penmanship and commercial arithmetic may be taken the second year.

During the third and fourth years the student may elect in a business course bookkeeping, commercial arithmetic, commercial law, penmanship, stenography, typewriting; in mathematics, advanced algebra, solid geometry, analytical geometry, and

trigonometry; in advanced science, work in botany, zoology, physics, chemistry, and drawing.

Of the fifteen periods of prepared work, the course prescribes ten periods the first year, eleven periods the second year, seven periods the third year, and seven periods the fourth year. The pupil has the privilege of selecting from the list of elective studies subjects whose recitation periods each week, or their equivalents, when added to the required prepared work, shall equal the necessary fifteen periods.

Concerning admission, sessions, etc., see Latin School.

A simple, healthful, inexpensive lunch is served at the recess midway of each session to pupils desiring it.

Manual Training. Three rooms are fitted and equipped in the basement of the English High school for its manual training department. The course includes carpentry, wood-turning, and carving, clay modeling, pattern making, moulding, and casting. A fourth room is devoted to mechanical drawing, with a full course. Manual training has not been extended to include grammar schools.

The master in charge of the manual training department is paid \$1,800, and his assistants \$1,700, \$1,400, \$1,000, and \$900.

Sewing. Sewing is taught to the girls in the fifth, sixth, seventh, and eighth grammar grades in weekly lessons of about one hour each.

Three special teachers are employed at salaries of \$650.

Music. Instruction in music is given exclusively in the high schools and in part in the three upper grammar grades by a specialist, who is paid \$1,700. The books used are "The Euterpean," "The Cecilian Series of Music and Song," Nos. 1, 2, 3, and 4, and "The Laurel Song Book."

In the six lower grades musical instruction is given by the regular grade teacher, under the supervision of a specialist, who visits each class once every fifteen days. She is paid \$900. The Normal System of Music, with its books and charts, is used.

Gymnastics. In elementary grades the Ling system of Swedish gymnastics is practiced daily. No special teacher is employed.

Recesses. The Latin school has two brief recesses, breaking the daily session into thirds. The English school has a single recess at the end of the third period.

The four lower elementary grades have a five-minute recess midway of each session. The five upper grammar grades have no recess, though no unreasonable physical restraint is placed upon any pupil.

No detention of pupils is allowed at noon, and but a half-hour's detention at the close of the afternoon session, "for wilful neglect of duty only."

Corporal Punishment. Corporal punishment, "which includes any infliction of physical pain or application of physical force," is not prohibited. It must, however, not be administered

until twenty-four hours after the offence, the approval of the principal being first obtained. Each case must be reported in detail to the superintendent. There were 284 in 1901, 328 in 1902, 299 in 1903, 293 in 1904, 339 in 1905, and 326 in 1906.

Drawing. Two teachers of drawing are employed in the English High school at salaries of \$1,000 and \$650. In that school freehand drawing is compulsory for first-year pupils, and elective for all others. Drawing is not taught in the Latin school. A few Latin school pupils take drawing in the English school.

In the primary grades daily lessons, and in the grammar grades semi-weekly lessons are given by the regular teacher, under the direction of a supervisor, who visits each class once a month, and is paid \$1,000.

The course includes pictorial drawing from nature, models, and objects; structural drawing from type solids; decorative drawing, designing, and color work, historic ornament and picture-study. No drawing books are used. Colored crayons are provided in primary grades, and water-colors and brush in grammar grades.

Penmanship. Intermedial slant writing is taught in the elementary schools, the Whitehouse system being used. The supervisor visits each class once in four weeks, and receives \$1,500.

Student Teachers. At the present time one student teacher is employed in the English school, serving without pay, under the direction of the head master.

Provision has just been made for the employment in the elementary schools of not exceeding twelve "Cadet teachers," at a salary of \$200 each.

The Public Library. The English school has a working library of 1,200 volumes, but it draws constantly on the public library, located in an adjoining building.

For many years there has been a constant use of the library by school children. Circulating libraries of fresh books are in use in the smaller buildings. Books are delivered and collected each week at the large grammar schools. As far as they can, the teachers aid in the selection of books by the children, and the librarian and his assistants cheerfully render all the help in their power.

Evening Schools. An evening high school is maintained in the English High school building on four evenings a week, from 7.30 to 9.30. The principal is paid \$6, and his assistants \$4, \$3, \$2, and \$1.50. Any high school study, and freehand and mechanical drawing, may be pursued.

Elementary evening schools are open in the Prescott, Bell, Forster, and Highland buildings from October 1 on four evenings a week, from 7.30 to 9.30. The length of the term is dependent on the interest and attendance. The course of study

followed is that prescribed by the statutes. Principals receive \$3 or \$4, and assistants, \$2, \$1.50, or \$1 each evening.

Truants. The city employs one active truant officer, who is paid \$1,100 and the board of his horse. Truants are sent to the county truant school at North Chelmsford. There are now nine truants from Somerville in the school.

Janitors. These important officers are appointed by the commissioner of public buildings, and are under his direction and that of the school principal.

Supervision. The superintendent of schools is the executive officer of the board, and upon him devolves the general management of the schools under its direction. He serves as the secretary of the board and as supply agent. His salary is \$5,000, and he is allowed two clerks, who receive \$750 and \$600.

His office is in the city hall annex, and his hours are from 4 to 5 each school day, and from 8 to 9 on Saturday. His office is open from 8 to 5 on school days, and from 8 to 10 on Saturday.

The meetings of the school board are held on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock.

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	Latin High . . .	a13	.....	\$91,500	1871	35	8 rooms added 1906
2	English High . .	b19	.....	137,600	1895	11	
3	Prescott	12	22,000	66,250	1867	39	
4	Knapp	13	24,517	50,340	1889	17	4 rooms added 1894
5	Pope	12	27,236	80,860	1891	15	
6	Bell	12	22,262	45,340	1874	32	
7	Edgerly	12	24,000	44,250	1871	35	{ 4 rooms added 1882 4 rooms added 1892
8	Glines	14	28,800	80,800	1891	15	5 rooms added 1896
9	Forster	18	30,632	85,350	1866	40	6 rooms added 1899
10	Bingham	16	35,586	60,000	1886	20	{ 4 rooms added 1894 8 rooms added 1904
11	Carr	17	20,450	53,800	1898	8	
12	Morse	12	29,000	48,200	1869	37	6 rooms added 1890
13	Highland	12	23,260	60,560	1880	26	4 rooms added 1891
14	Hodgkins	14	35,034	71,550	1896	10	
15	Bennett	12	17,000	59,248	1902	4	
16	Proctor	9	18,000	41,029	1905	2	
17	Burns	8	16,080	34,700	1886	20	4 rooms added 1899
18	Lowe	8	21,650	51,826	1903	2	
19	Hanscom	6	12,756	49,580	1897	9	
20	Baxter	6	11,000	32,956	1901	5	
21	Perry	6	46,080	37,000	1899	7	
22	Brown	6	20,093	39,690	1901	5	
23	Davis	4	30,155	22,720	1884	22	
24	Cummings . . .	4	11,300	11,920	1884	22	
25	Durell	4	13,883	19,720	1894	12	
26	Lincoln	4	17,662	18,220	1885	21	
	Total	273	.....	\$1,395,009	....	..

(a) Besides a recitation room, a physical laboratory, two teachers' rooms, an assembly hall, a library and a principal's office.

(b) A chemical, a physical, a biological laboratory, seven recitation rooms, a lecture hall, two drawing rooms, two teachers' rooms, library, and principal's office. Four manual training rooms and lunch room in basement. The biological laboratory and the lecture hall furnish three classrooms.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1906.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$18,222 30	\$2,005 77	\$1,271 51	\$21,499 58
English High . . .	41,507 20	3,105 15	5,170 66	49,783 01
Prescott . . .	11,022 75	1,607 43	798 50	13,428 68
Knapp . . .	10,597 44	1,620 28	906 76	13,124 48
Pope . . .	10,463 45	1,889 16	1,013 21	13,365 82
Bell . . .	10,433 93	1,484 78	832 52	12,751 23
Edgerly . . .	10,489 39	1,501 73	839 44	12,830 56
Glines . . .	12,144 64	2,002 57	671 22	14,818 43
Forster . . .	14,607 87	2,954 09	1,144 71	18,706 67
Bingham . . .	13,148 52	1,787 67	830 59	15,766 78
Carr . . .	13,474 30	1,994 02	1,163 17	16,631 49
Morse . . .	10,409 42	1,716 56	885 97	13,011 95
Highland . . .	10,458 00	1,812 76	1,305 42	13,576 18
Hodgkins . . .	12,252 06	1,627 37	1,009 68	14,889 11
Bennett . . .	9,552 64	1,530 72	549 93	11,633 29
Burns . . .	6,011 85	1,152 69	451 24	7,615 78
Proctor . . .	6,087 91	986 00	505 97	7,579 88
Lowe . . .	5,960 04	1,140 89	388 64	7,489 57
Hanscom . . .	4,739 75	903 87	507 62	6,151 24
Baxter . . .	4,940 13	971 21	342 70	6,254 04
Perry . . .	4,205 29	984 20	296 94	5,486 43
Brown . . .	4,418 82	925 42	312 84	5,657 08
Davis . . .	3,013 93	721 84	270 66	4,006 43
Cummings . . .	2,853 56	797 41	160 36	3,811 33
Durell . . .	2,752 60	659 15	185 81	3,597 56
Lincoln . . .	2,872 37	678 45	260 94	3,811 76
Evening . . .	9,556 30	1,999 04	512 07	12,067 41
Totals . . .	\$266,196 46	\$40,560 23	\$22,589 08	\$329,345 77

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1906.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$42 58	\$4 69	\$2 97	\$50 24
English High . . .	44 39	3 32	5 53	53 24
Prescott	19 20	2 80	1 39	23 39
Knapp	19 37	2 96	1 66	23 99
Pope	20 40	3 68	1 98	26 06
Bell	20 66	2 94	1 65	25 25
Edgerly	19 79	2 83	1 58	24 20
Glines	21 61	3 56	1 19	26 36
Forster	20 12	4 07	1 58	25 77
Bingham	19 71	2 68	1 25	23 64
Carr	20 02	2 96	1 73	24 71
Morse	19 71	3 25	1 68	24 64
Highland	19 81	3 43	2 47	25 71
Hodgkins	19 57	2 60	1 61	23 78
Bennett	18 77	3 01	1 08	22 86
Burns	17 33	3 32	1 30	21 95
Proctor	16 37	2 55	1 36	20 28
Lowe	16 24	3 11	1 06	20 41
Hanscom	16 34	3 12	1 75	21 21
Baxter	17 58	3 46	1 22	22 26
Perry	16 82	3 94	1 19	21 95
Brown	15 40	3 23	1 09	19 72
Davis	17 32	4 15	1 56	23 03
Cummings	16 69	4 66	94	22 29
Durell	15 82	3 79	1 07	20 68
Lincoln	14 51	3 43	1 32	19 26
High schools . . .	\$43 82	\$3 75	\$4 73	\$52 30
Gram. and primary . .	19 85	3 41	1 55	24 81
All schools	22 63	3 45	1 92	28 00
Gram. and prim. without evening schools	18 94	3 22	1 50	23 66
All schools without evening schools .	21 82	3 28	1 88	26 98

TABLE 4. — ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Member- ship.	Instruction and Supervision.	Water and Light.	Heating.	Janitors.	School Supplies.	Total.
1886	4,985	\$83,542	624	\$4,929	\$4,194	\$6,676	\$99,865
1887	5,198	86,713	765	6,475	5,084	7,526	106,563
1888	5,488	88,967	953	7,121	5,892	7,421	110,354
1889	5,956	96,466	805	6,081	6,448	9,903	119,703
1890	6,486	104,184	1,004	5,586	7,539	10,371	128,684
1891	6,502	114,066	1,047	8,032	8,544	13,899	145,588
1892	7,035	124,232	1,064	7,148	9,794	12,944	155,183
1893	7,217	128,720	1,014	8,312	10,160	10,137	158,333
1894	7,212	132,919	958	9,673	10,686	10,919	165,155
1895	7,617	144,113	1,398	8,796	11,581	15,063	180,951
1896	8,077	161,551	1,469	9,962	14,160	17,601	204,743
1897	8,589	180,222	1,920	10,065	16,251	14,815	223,273
1898	9,085	189,244	2,075	9,767	17,393	14,986	233,465
1899	9,502	197,660	2,472	10,821	17,831	16,131	244,915
1900	9,823	212,863	1,729	10,840	19,236	15,735	260,403
1901	9,991	226,556	1,731	13,723	20,078	18,707	280,796
1902	10,402	234,210	1,803	10,489	20,859	19,386	286,747
1903	10,719	242,964	2,015	18,052	21,042	20,873	304,946
1904	11,094	255,481	1,436	15,315	22,024	21,648	315,904
1905	11,543	259,597	4,345	15,167	21,949	20,619*	321,677
1906	11,762	266,197	2,875	14,162	23,143	22,969*	329,346

*Including cost of telephones.

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.
 [Based on the average membership.]

YEAR.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.	Assessors' Valua- tion of City.	Ratio of Cost of School Main- tenance to Valuation.
1886	\$16 76	\$1 94	\$1 34	\$20 03	\$26,003,200	.00384
1887	16 68	2 37	1 45	20 50	27,469,300	.00388
1888	16 21	2 54	1 36	20 11	28,756,400	.00384
1889	16 20	2 24	1 66	20 10	30,004,600	.00399
1890	16 06	2 18	1 60	19 84	32,557,500	.00395
1891	17 54	2 71	2 14	22 39	36,843,400	.00395
1892	17 66	2 56	1 84	22 06	38,093,100	.00407
1893	17 84	2 70	1 40	21 94	41,773,600	.00379
1894	18 43	2 96	1 51	22 90	44,142,900	.00374
1895	18 92	2 86	1 98	23 76	46,506,300	.00390
1896	20 00	3 17	2 18	25 35	49,013,050	.00418
1897	20 98	3 29	1 73	26 00	50,173,775	.00444
1898	20 83	3 22	1 65	25 70	50,739,700	.00460
1899	20 80	3 28	1 70	25 78	51,202,350	.00478
1900	21 67	3 24	1 60	26 51	52,513,400	.00496
1901	22 67	3 56	1 87	28 10	53,924,200	.00521
1902	22 52	3 19	1 86	27 57	55,485,370	.00517
1903	22 67	3 84	1 95	28 46	56,981,360	.00535
1904	23 03	3 52	1 93	28 48	58,056,700	.00544
1905	22 50	3 63	1 74	27 87	59,146,600	.00544
1906	22 63	3 45	1 92	28 00	60,371,500	.00546

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1886	\$15,515	\$8,706	\$99,865	\$114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816
1905	51,987	8,306	321,677	381,970
1906	38,457	11,951	329,346	379,754

TABLE 7.—POPULATION AND SCHOOL CENSUS.

1842	.	.	1,013	1875	.	.	21,594	1900	.	.	61,643
1850	.	.	3,540	1880	.	.	24,985	1901	.	.	63,000
1860	.	.	8,025	1885	.	.	29,992	1902	.	.	65,273
1865	.	.	9,366	1890	.	.	40,117	1903	.	.	67,500
1870	.	.	14,693	1895	.	.	52,200	1905	.	.	69,272
								1906	.	.	70,875

SCHOOL CENSUS.

No. of children between 5 and 15 years of age October 1,

					1905.	1906.	Change.
Ward 1	.	.	.	.	1,929	1,974	+45
Ward 2	.	.	.	.	2,536	2,569	+33
Ward 3	.	.	.	.	1,100	1,148	+48
Ward 4	.	.	.	.	1,042	986	—56
Ward 5	.	.	.	.	1,911	1,908	—3
Ward 6	.	.	.	.	1,972	1,979	+7
Ward 7	.	.	.	.	1,479	1,504	+25
Total	.	.	.	.	11,969	12,068	+99
In public schools	.	.	.	.	10,226	10,356	+130
In private schools	.	.	.	.	1,601	1,589	—12
Out of school	.	.	.	.	346	334	—12
Total	.	.	.	.	12,173	12,279	+106

Number of compulsory school age, 7 to 14:—

				1906.	
According to census, males	.	.	.	4,417	
females	.	.	.	4,297	
				<hr/>	8,714
In public schools, males	.	.	.	3,548	
females	.	.	.	3,507	
				<hr/>	7,055
In private schools, males	.	.	.	559	
females	.	.	.	602	
				<hr/>	1,161
				<hr/>	
Total in school	.	.	.		8,216

Number of illiterate minors	62
Children under 7 out of school	155
" between 7 and 14 out on account of sickness	33
" 14 years old at work	84
Total number out of school	334

TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS, 1906.

Rooms Occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in January.	No. Attending in December.	Average No. to Classroom in December.
15	Latin High . . .	465	428	411	96.0	440	432	
24	English High . . .	961	935	890	95.0	904	1,048	
12	Prescott . . .	773	574	539	93.8	606	595	49.6
13	Knapp . . .	660	547	521	95.6	547	591	45.0
12	Pope . . .	624	513	483	94.1	550	505	42.1
12	Bell . . .	606	505	477	94.5	527	528	44.0
12	Edgerly . . .	620	530	499	94.1	554	532	44.3
13	Glines . . .	723	562	532	94.3	601	555	43.5
18	Forster . . .	833	726	686	94.5	735	754	41.9
16	Bingham . . .	832	667	630	94.5	692	677	42.3
17	Carr . . .	802	673	632	93.9	699	699	41.1
12	Morse . . .	651	528	499	94.6	541	547	46.0
12	Highland . . .	581	528	508	96.1	538	577	48.8
14	Hodgkins . . .	787	626	600	96.2	632	668	47.7
12	Bennett . . .	689	509	469	92.8	512	557	46.4
8	Burns . . .	464	347	321	92.6	354	360	45.0
9	Proctor . . .	460	372	346	94.0	366	402	44.6
8	Lowe . . .	491	367	338	92.3	368	388	48.5
6	Hanscom . . .	392	290	269	93.7	288	329	47.0
6	Baxter . . .	410	281	254	92.1	292	294	49.0
6	Perry . . .	346	250	234	93.3	280	258	43.0
6	Brown . . .	393	287	266	92.9	279	315	52.5
4	Davis . . .	226	174	163	93.5	186	171	42.8
4	Cummings . . .	235	171	158	92.7	174	184	46.0
4	Durell . . .	246	174	162	93.2	188	168	42.0
4	Lincoln . . .	281	198	182	91.9	199	214	53.5
279	Total . . .	14,551	11,762	11,069	94.1	12,052	12,348	45.7
269	Total for 1905 . .	14,296	11,543	10,897	94.4	11,652	12,118	45.2

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 6, 1905, TO JUNE 30, 1906.

	Latin.	English.
Number of teachers	13.6	35
Number of days school kept	184	184
Number enrolled	451	973
Average number belonging	430.6	892.5
Average daily attendance	414.4	850.4
Per cent. of attendance	96.2	95.3
Tardiness	206	382
Dismissals	251	299
In Class I. September, 1905	135	378
June	125	330
Per cent. of loss	8	12.7
In Class II. September, 1905	120	236
June	112	209
Per cent. of loss	7	11.4
In Class III. September, 1905	92	193
June	85	181
Per cent. of loss	7	6.2
In Class IV. September, 1905	90	143
June	91	134
Per cent. of loss	+1	6.3
Special students, September, 1905		16
June		12
Total, September, 1905	437	966
June	413	866
Per cent. of loss	6	10.3
Number of graduates, male	33	46
Number of graduates, female	48	81
Total	81	127
Average age, male	18-11	19-1
Average age, female	18-6	18-10
Number entering college	45	6
Number of graduates entering technical schools	2	9
Number of graduates entering normal schools	3	9
Cost of instruction	\$16,990 50	\$39,823 00
Cost of supplies	1,680 08	5,414 50
Total cost	18,670 58	45,237 50
Per capita cost of instruction	39 42	44 60
Per capita cost of supplies	3 90	6 06
Total cost per capita	43 32	50 66

TABLE 10.—PUPILS BY GRADES, 1906.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age.		Never in School Before.	From Other City Schools.	From Other Schools.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.			
			Regular.	Assistants.								
Latin	Thirteenth. . .	....	..	....	33	50	83	18	0	.....	3	1
"	Twelfth. . .	....	....	....	37	64	101	17	3	.....	1	6
"	Eleventh. . .	....	....	....	50	74	124	16	3	.....	7	6
"	Tenth. . .	....	....	....	54	70	124	15	3	.....	121	6
	Total. . .	6	9	....	174	258	432	....	.....	.....	132	19
English	Special. . .	....	....	....	3	4	7	19	7	.....	.....	.....
"	Thirteenth. . .	....	....	....	70	92	162	18	3	.....	1	3
"	Twelfth. . .	....	....	....	81	113	194	17	8	.....	6	7
"	Eleventh. . .	....	....	....	118	168	286	16	7	.....	3	15
"	Tenth. . .	....	....	....	163	236	399	15	7	.....	371	37
	Total. . .	11	28	....	435	613	1,048	....	.....	.....	381	62
	Total high school. .	17	37	....	609	871	1,480	....	.....	.....	513	81
Grammar	Ninth. . .	10	21	....	363	434	797	14	7	.....	16	44
"	Eighth. . .	....	21	....	400	472	872	13	9	.....	96	84
"	Seventh. . .	....	23	....	510	493	1,003	12	10	.....	117	78
"	Sixth. . .	....	25	1	583	526	1,109	11	11	.....	221	110
"	Fifth. . .	....	28	....	630	610	1,240	10	11	.....	230	116
"	Fourth. . .	....	29	...	647	645	1,292	9	9	.....	139	161
	Total grammar. . .	10	147	1	3,133	3,180	6,313	....	.....	.....	819	593
Primary	Third. . .	....	29	....	710	642	1,352	8	8	.....	137	161
"	Second. . .	....	32	1	771	702	1,473	7	5	4	228	208
"	First. . .	....	34	3	782	744	1,526	6	2	1,236	118	215
	Total primary. . .	....	95	4	2,263	2,088	4,351	....	.....	1,240	483	584
	Total grammar and primary. .	10	242	5	5,396	5,268	10,664	....	.....	1,240	1,302	1,177
	Kindergarten. .	....	4	4	99	105	204	4	8	.....	.....	.....
	Special teachers. . .	2	5	....	.....	.....	.....	.....	.....	.....	.....	.....
	Grand totals	29	288	9	6,104	6,244	12,348	....	.....	1,240	1,815	1,258

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools.	Kinder- gartens.	Total.
Annual enrollment . . .	1,426	12,706	419	14,551
Average membership . . .	1,363	10,209	190	11,762
Average attendance . . .	1,301	9,605	163	11,069
Per cent. of attendance . .	95.5	94.1	85.5	94.1
Number cases of tardiness . .	553	3,514	...	4,067
Number cases of dismissal . .	512	2,074	...	2,586
Number cases of punishment . .	...	326	...	326
Membership, January, 1906 . .	1,344	10,510	198	12,052
Membership, December, 1906 . .	1,480	10,664	204	12,348

**TABLE 12.—NUMBER OF PUPILS ADMITTED TO GRADE I.
IN SEPTEMBER.**

SCHOOL.	1902.	1903.	1904.	1905.	1906.	SCHOOL.	1902.	1903.	1904.	1905.	1906.
Prescott . .	69	53	63	78	72	Forster . .	77	65	76	48	74
Hanscom . .	41	75	38	47	33	Bingham . .	84	74	78	80	83
Davis . . .	43	50	42	42	22	Carr . . .	44	59	59	59	40
Bennett . .	73	98	92	81	125	Morse . . .	76	78	67	56	64
Baxter . . .	35	27	38	53	42	Proctor . .	....	.....	.....	49	61
Knapp . . .	38	38	50	43	40	Durell . . .	44	33	38	45	39
Perry . . .	42	49	50	58	42	Burns . . .	71	57	58	50	53
Pope . . .	37	37	40	33	28	Brown . . .	56	33	26	42	52
Bell . . .	37	36	38	36	38	Highland . .	51	....	.....	.....	.....
Cummings . .	39	40	37	43	46	Hodgkins . .	61	33	51	43	55
Edgerly . .	51	33	40	34	38	Lincoln . .	35	40	38	40	51
Glines . . .	80	65	48	70	63	Lowe . . .	....	95	89	89	75

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1906.

SCHOOLS.	Number receiving Diplomas.	Number certificated for High School.		Number entering Latin School.		Number entering English School		Total.		
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	
Prescott .	35	0	35	0	10	0	15	0	25	25
Knapp .	64	0	64	0	8	0	35	0	43	43
Pope .	44	7	30	0	12	5	16	5	28	33
Bell .	54	2	50	0	6	2	32	2	38	40
Edgerly .	49	7	42	0	6	3	30	3	36	39
Glines .	40	3	35	0	5	3	25	3	30	33
Forster .	67	15	49	2	26	11	21	13	47	60
Bingham .	33	4	29	0	0	1	16	1	16	17
Carr .	43	7	36	0	5	3	17	3	22	25
Morse .	44	3	37	0	0	1	28	1	28	29
Highland .	109	11	97	0	15	6	61	6	76	82
Hodgkins .	58	6	52	0	20	5	23	5	43	48
Total .	640	65	556	2	113	40	319	42	432	474

TABLE 14.—TRUANT STATISTICS.

	1901.	1902.	1903.	1904.	1905.	1906.
Number visits of officer to schools	470	435	525	429	567	511
Absences investigated	502	384	521	387	514	502
Cases of truancy	106	163	152	146	150	151
Truants arrested	8	..	24	8	7	11
Sent to truant school	9	6	9	5	4	6
Number now in truant school	10	9	5	5	8	10

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, SEASON OF 1905-1906.

		Prescott.	Bell.	Forster.	Highland.	Total.
Enrolled . . .	Male	58	319	49	78	504
	Female	29	100	19	46	194
	Total	87	419	68	124	698
Ave. membership .	Male	37	172	22	43	304
	Female	23	50	8	22	116
	Total	60	222	30	65	420
Ave. attendance .	Male	31	131	11	33	232
	Female	19	39	5	17	92
	Total	50	170	16	50	324
Per cent. Att. out of No. belonging . . .	. .	83.3	76.6	53.3	78.1	77.1
Per cent. Att. out of No. enrolled . . .	. .	57.5	40.6	23.5	40.3	46.4
Ave. No. of teachers	Male	2	3	1	2	8
	Female	2	14	2	2	20
	Total	4	17	3	4	28
No. of sessions .	. .	98	98	41	97	334
Teachers, cost of . . .	. .	\$799 00	\$3,265 00	\$242 50	\$800 50	\$5,107 00
Janitors, supplies, and light, cost of . . .	. .	165 51	534 00	230 02	266 64	1,196 17
	Total	\$964 51	\$3,799 00	\$472 52	\$1,067 14	\$6,303 17
Cost per pupil per evening . . .	. .	\$0 197	\$0 228	\$0 72	\$0 22	\$0 233
Cost per evening . . .	. .	9 84	38 77	11 52	11 00	75 48
Cost per pupil in ave. membership . . .	. .	16 08	17 11	15 75	16 67	15 01
Cost per pupil in ave. attendance . . .	. .	19 29	22 35	29 53	21 34	19 45

TABLE 15 (Concluded).—Evening High School, Season of 1905=1906.

	Male.	Female.	Total.
Enrolled	361	244	605
Average membership	231	152	383
Average attendance.....	101	53	154
Number of teachers.....	7	8	15
Number of sessions.....		93	
Cost of instruction.....		\$1,466.00	
Cost of supplies, janitor service, light.....		1,082.22	
Total cost.....		\$5,548.22	
Cost per pupil per evening.....		0.387	
Average attendance: October, 229; November, 196; December, 149; January, 131; February, 120; March, 99.			

Statistics of Evening Schools for a Series of Years.

	No. Sessions.	Enrollment.	Average Attendance.	Cost.	Cost Per Pupil Per Evening.
High* 1900-1901 . .	48	192	79	\$1,433	\$0 378
1901-1902 . .	46	211	99	1,424	0 316
1902-1903 . .	47	178	78	1,331	0 379
1903-1904 . .	48	191	74	1,378	0 388
1904-1905 . .	74	762	224	6,699	0 404
1905-1906 . .	93	605	154	5,548	0 387
Elementary 1900-1901 . .	74†	612	220	\$3,809	\$0 232
1901-1902 . .	75	700	260	5,452	0 279
1902-1903 . .	86	741	264	5,857	0 257
1903-1904 . .	92	859	333	7,286	0 237
1904-1905 . .	75	747	329	6,088	0 247
1905-1906 . .	84	698	324	6,303	0 233

*Drawing school only until 1904-1905.

†Average of four schools.

TABLE 16.—GRAMMAR SCHOOL GRADUATES
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Edgerly.	Pope.	Knapp.	Hodgkins	Glines.	Carr.	Bingham.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. entering of those Graduating.
1890	54	106	45	56	57	39	36	39	45	27	38	31	318	6,062	5.24	184	57.86
1891	44	73	41	55	44	49	36	39	41	35	33	33	296	6,085	4.90	199	67.23
1892	41	36	75	49	45	46	36	38	39	37	36	31	370	6,525	5.67	228	61.62
1893	40	60	48	63	67	41	35	32	41	36	36	36	398	6,674	5.97	240	60.30
1894	39	29	79	66	68	42	36	34	37	37	38	38	389	6,600	5.89	253	65.04
1895	36	32	58	63	73	46	37	35	45	37	38	38	374	6,955	5.37	255	68.18
1896	38	34	72	38	70	29	30	25	41	35	36	31	370	7,201	5.13	281	76.00
1897	34	39	50	48	41	50	36	28	39	37	33	33	368	7,602	4.84	273	74.19
1898	36	43	31	46	36	40	36	34	41	35	36	36	382	8,029	4.75	281	73.56
1899	37	50	62	48	49	47	34	34	42	37	36	36	468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	38	32	36	33	31	434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36	36	497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51	47	497	9,328	5.33	350	70.40
1903	34	45	62	45	65	51	28	34	52	31	47	43	484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	36	58	36	512	9,739	5.26	367	71.68
1905	40	40	74	44	85	47	42	48	61	36	58	36	606	10,298	5.88	463	76.40
1906	35	54	67	44	109	49	44	64	58	40	43	33	640	10,209	6.22	474	74.10
	650	807	1,022	820	1,070	713	552	552	451	353	349	64	7,403	136,470	5.42	5,236	70.73

TABLE 17.—ATTENDANCE STATISTICS
FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373
1905	14,296	11,543	10,897	94.4	3,746	0.344
1906	14,551	11,762	11,069	94.1	4,046	0.366

TABLE 18.—MEMBERSHIP, ETC., OF HIGH SCHOOL

FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61
1905	11,543	1,372	11.89	211	1.83
1906	11,762	1,473	12.52	208	1.77

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 30, 1906.

GRADE.	On June Promo- tion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	1,509	1,167	103	229	10	7	8
II	1,422	1,104	141	164	13	5	21
III	1,312	1,054	144	113	1	7	12
IV	1,235	982	151	102	0	4	11
V	1,144	902	127	115	0	4	8
VI	1,098	847	134	101	16	1	18
VII	905	662	148	95	0	2	12
VIII	845	671	110	63	1	0	12
IX	650	556	65	29	0	3	8
Total	10,120	7,945	1,123	1,011	41	33	110

Percentage of Promotions for School Year Ending June 30, 1906.

GRADE.	On June Promo- tion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	100	77.3	6.8	15.2	0.6	0.4	7.8
II	100	77.6	9.9	11.4	0.9	0.3	14.3
III	100	80.4	10.9	8.6	.0	0.5	8.3
IV	100	79.5	12.2	8.2	.0	0.3	7.3
V	100	78.8	11.1	10.0	.0	0.3	6.3
VI	100	77.1	12.2	9.1	1.4	.0	13.4
VII	100	73.1	16.3	10.4	.0	0.2	8.1
VIII	100	79.2	13.0	7.4	.0	.0	1.1
IX	100	85.5	10.0	4.4	.0	0.4	12.3
Average	...	78.5	11.1	10.0	0.4	0.3	9.8

TABLE 20.—RESIGNATION OF TEACHERS, 1906.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin High .	Sarah W. Fox	June 30	38 years
Latin High .	Frederick C. Hosmer	"	2 "
English High .	Charles T. C. Whitcomb	"	11 "
English High .	Lucy Ingram	"	11 "
English High .	Hila H. Small	"	7 "
English High .	Amy L. Cole, Secretary	March 26	5 "
Prescott . .	Louise Townsend	Jan. 29	5 months
Prescott . .	Abbie A. Anderson	June 30	28 years
Prescott . .	Amelia I. Sears	"	33 "
Hanscom . .	Helen S. Woodman	"	2 "
Hanscom . .	Helen G. Frye	Oct. 10	8 " 1 mo.
Hanscom . .	Gertrude D. Goodale	Dec. 31	4 " 8 mos.
Bennett . .	Miriam Cavanagh	June 30	13 "
Bennett . .	Agnes S. Campbell	Oct. 25	7 " 2 "
Bennett . .	Caro G. Graydon	June 30	2 "
Bennett . .	Carrie L. Bliss	"	11 "
Knapp . . .	Elizabeth G. Diman	Jan. 12	4 months
Perry . . .	Margaret L. O'Malley	June 30	2 years
Pope	B. May Layman	"	1 "
Bell	Florence S. Hartshorn	"	6 "
Cummings .	Ruth B. Stanley	"	4 "
Edgerly . .	Mary Corry	April 30	3 " 10 "
Edgerly . .	Maud J. Nickerson	June 30	4 "
Glines . . .	M. Frances Guptill	"	37 "
Forster . . .	Mae E. Brock	"	2 "
Bingham . .	Alice R. Lincoln	"	2 "
Morse	Alice M. Emerson	March 29	15 " 9 "
Proctor . . .	Inez D. King	June 30	2 "
Proctor . . .	Elizabeth T. Burrage	"	1 " 6 "
Proctor . . .	Margaret D. Jack	"	7 "
Highland . .	Jennie C. Frazier	"	18 "
Bennett . .	Jennette B. Snow	Died May 1	3 years

TABLE 21.—TEACHERS ELECTED IN 1906.

SCHOOL.	Teacher.	Coming From	Began Service.	Salary.
Latin High . .	Frank H. Wilkins	Revere	Sept. 12	\$1,300
Latin High . .	William D. Sprague	Newbury	"	1,500
Latin High . .	Isabel G. Higgins	Somerville	"	900
Latin High . .	F. Gertrude Perkins	Braintree	"	800
English High .	William W. Obear	Fitchburg	"	1,400
English High .	David S. Wheeler	Lexington	"	1,400
English High .	Laurence A. Sprague	Natick	"	1,000
English High .	Grace E. Burroughs	Newton	"	900
English High .	Theodora M. Hastings	Norwood	"	850
English High .	Ella A. Newhall	Norwood	"	850
English High .	Mabel Butman	Somerville	"	800
English High .	Grace Gatchell	Cohasset	"	750
English High .	Annie C. Woodward	Kingston	"	600
English High .	Mabel M. Ham, Sec'y.	Somerville	Apr. 1	600
Prescott . . .	Georgia P. Wardwell	Quincy	"	650
Prescott . . .	Georgiana Smith	Plymouth	Sept. 12	600
Prescott . . .	Florence A. Eaton	Littleton	"	525
Hanscom . . .	Maude A. Nichols	Gloucester	Oct. 8	525
Bennett . . .	Eleanor W. Nolan	Sturbridge	Sept. 12	650
Bennett . . .	Frances E. Robinson	Beverly	"	650
Bennett . . .	Cora B. Gowen	Somerville	"	600
Bennett . . .	Marie Neis	Norwood	Apr. 30	600
Bennett . . .	Katherine Pike	Quincy	Sept. 12	525
Bennett . . .	Nellie F. Eaton	Rockland, Me.	"	600
Baxter . . .	Maria D. McLeod	Somerville	"	650
Knapp . . .	Minnie A. Holden	Gardner	"	700
Pope . . .	M. Abbie Tarbett	Chelsea	Dec. 3	650
Bell . . .	Gorda Bean	Brockton	Sept. 12	650
Cummings . .	Daisy W. Cushman	Winthrop	"	650
Edgerly . . .	M. Eva Warren	Somerville	Apr. 30	725
Edgerly . . .	Mabel Washburn	Brockton	"	650
Bingham . . .	Mary F. Mead	Somerville	Sept. 12	600
Carr . . .	L. Isadore Wood	Wakefield	"	600
Morse . . .	M. Florence Eustis	Taunton	"	650
Morse . . .	Mildred M. Moses	Wakefield	"	650
Proctor . . .	L. Margaret Potter	Gardner	"	650
Proctor . . .	Blanche E. Thompson	Winchester	"	650
Highland . . .	Lois M. Thompson	Bristol, Me.	"	650
Hodgkins . . .	Jennie M. Patterson	Somerville	Oct., '03	575

ASSISTANTS EMPLOYED, 1906.

Burns . . .	}	Flora M. Smith
Proctor . . .		
Lowe . . .		
Hanscom . . .		Gladys Loring
Baxter . . .		Dorothy G. McLam
Lincoln . . .		Nona G. Blackwell
Brown . . .		Rena H. Wiley

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

Sept. 12. Charles F. Abbott, for school year ending June 30, 1907.
 Sept. 12. Alice T. McNamara, for school year ending June 30, 1907.
 Sept. 12. Belle J. Tifft, for school year ending June 30, 1907.
 Sept. 12. Anna E. Sawyer, for school year ending June 30, 1907.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Minnie A. Day	Morse	Forster
Frances E. Robinson	Bennett	Hanscom
Martha A. Jencks	Lincoln	Lowe
Charlotte Holmes	Baxter	Perry
Nellie F. Eaton	Davis	Bennett

TABLE 24.—NUMBER OF TEACHERS

FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in charge of room.	Men.	Women.	Total.
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48‡	152	98*	7	9	27	285	312
1905	48‡	153	100*	7	7	27	288	315
1906	54‡	157	99*	7	9	29	297	326

*Including four kindergartners.

†Including two secretaries.

‡Including one secretary.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1906.**For Grammar and Primary Schools.***As reference books.*

McMaster's School History of the United States. American Book Co.

As text-books.

Sunshine Primer.....Ginn & Co.

For High Schools.*As reference books.*

Richardson's Commercial Law.....Sadler-Rowe Co.
 Elements of Business Law, Ernest W. Hulcut.....Ginn & Co.
 Life of Charlemagne, Eginhard.....American Book Co.
 Readings from European History, Robinson.....Ginn & Co.
 English Seamen of the Sixteenth Century, Frondi,

Benjamin H. Sanborn & Co.

Liberty Documents, Mabel Hill.....Longmans, Green, & Co.

Historical Atlas of Modern Europe, R. L. Poole,

Clarendon Press, Oxford

Venetian Republic, Brown.....Macmillan Co.

Miracle Plays, Pollard.....Clarendon Press, Oxford

As text-books.

Collar's "First Year German".....Ginn & Co.

Exercises in French Syntax and Composition, Jeanne Bouvet.

Genin's Petit Tailleur Bouton.

Assollant's Aventure du Celebre Pierrot.

La Main Malheureuse.

Dr. Faustus, Marlowe (Temple dramatists).....Macmillan Co.

She Stoops to Conquer, Goldsmith.

New Business Arithmetic, Moore & Miner.....Ginn & Co.

TABLE 26.—GRADUATION EXERCISES, 1906.**High Schools.**

The graduation exercises of the high schools occurred on Thursday, June 28, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The formal address to graduates was given by the Hon. John D. Long.

At the close of the address, the chairman of the committee, F. A. P. Fiske, presented diplomas to the 208 members of the graduating classes.

Order of Exercises.

Frederick A. P. Fiske, Chairman of School Board, presiding.
Overture.

"William Tell."

Rossini

Hadley's Orchestra.

1. *Singing.

Selections from Oratorio, "The Seasons."

Haydn

(a) Chorus, "Come, Gentle Spring."

(b) Baritone Solo, "With Joy the Impatient Husbandman."

John R. Lakin, E. H. S.

2. Prayer.

Rev. Louis C. Wright.

3. *†Singing.

"Charity" (Semi-Chorus, Girls' Voices).

Rossini

Soloists: Misses Lillie B. McLean and Mae V. Lebert.

4. Address to Graduates.

Hon. John D. Long.

5. *Singing.

"Gallia."

Gounod

(A Motet for Soprano Solo, Chorus, Orchestra, and Organ.)

Misses Edwards and Marden, L. H. S.; and Misses McLean, Moorehouse, Morang, and Rice, E. H. S.

6. Presentation of Diplomas.

Frederick A. P. Fiske, Chairman of School Board.

7. *Singing.

Trio and Chorus: "Be Propitious, Bounteous Heaven,"

"The Seasons."

Haydn

Miss McLean, E. H. S.; Messrs. Sargent, L. H. S., and Lakin, E. H. S.

* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

† Arranged for orchestra by S. Henry Hadley.

Latin High School Graduates.

Ida Bianconi.

Annie Winifred Bruce.

Lillian Alice Corwin.

Grace Evelyn Cousens.

Annie Morinda Currie.

Enid Josephine Cutter.

Carrie Gower Davis.

Julia Mary Delay.

Juliana Cecilia Donovan.

Vera Esmeralda Drew.

May Frances Dutton.

Clare Eastman.

Marion Goodwin Eaton.

Gladys Estelle Edwards.

Agnes Margaret Fitzmaurice.

Maria Catherine Foley.

Genevieve Louise Fosdick.

Lucy Emeline French.

Carrie Agnes Hartley.

Freda Müller Haskel.

Ruth Whitten Hills.

Helen Susan Hopkins.

Vera Alberta Hopkins.

Bertha Cecilia Hutchins.

Hazel Polly Hyde.

Eleanor Armington Ketchum.

Winifred Ross Kimball.

Mary Belle King.

Mary Elizabeth Koschwitz.

Pearl Freda La Moure.

Martha Helen Mackenzie.

Albertina Marden.

Louise Estelle Marden.

Roberta Burgess McDonald.

Florence Nancy McLean.

Charlotte Augusta Norton.

Eleanor Chapman Preble.

Eleanor Richardson.

Katharine Julia Scott.

Signe Gunhilda Sodergren.

Helen Elizabeth Spinney.

Maud Lillian Symonds.

Emilie Sophia Taapken.

Celia Louise Towne.

Edna Augusta Whitney.

Calla Marion Wilson.

Margaret Ruth Woodman.

Marion Alida Youngjohn.

Kenneth Potter Armstrong.

Crosby Fred Baker.

Robert Archer Bowlby.

Stanley Clarence Converse.
 Leslie Olin Cummings.
 William Francis Dolan.
 Gabriel Farrell, Jr.
 Saxton Conant Foss.
 Gay Gleason.
 Arthur Coleman Gow.
 Lester Locke Graves.
 Walter Fairfield Gray.
 Wendell Phillips Harrington.
 James Joseph Kennedy.
 Robert Mossman Knight.
 John Henry Leavitt.
 Harold Lewis.
 Henry Parker Lowell.

Edwin Statham Macgregor.
 Charles Addison Merrill.
 Thomas Francis O'Connor.
 Robert Foster Pillsbury.
 Leon Francis Reed.
 Bergen Reynolds.
 Mark John Rice.
 Herbert Stevens Sanborn.
 George Brock Sargent.
 Charles Francis Sharry.
 Ralph Marquis Simmons.
 John Joseph Tobin, Jr.
 Edmund Joseph Twohig.
 John Ralph Wedgwood.
 Ernest Read Whitcomb.

English High School Graduates.

Ruby Gertrude Allen.
 Renah Jane Atwood.
 Bertha Belle Baird.
 Edith Darling Barber.
 Sarah Josephina Berglind.
 Magie Belle Blake.
 Mary Elizabeth Bodwell.
 Marguerite Imelda Brine.
 Christina Buchanan.
 Margaret Elizabeth Buchanan.
 Irma Christopher.
 Rebecca Elizabeth Clark.
 Margaret Mary Cogan.
 Jenny Farquhar Copland.
 Helen Mildred Cowan.
 Rose Elena Crane.
 Myrtie May Davenport.
 Mary Eveleth Derby.
 Emma Jeannette Dexter.
 Grace Agnes Driscoll.
 Mildred Rachel Etter.
 Helen Elizabeth Fisher.
 Sadie Veronica Flanders.
 Mabel Emeline Fitch.
 May Agnes Fitzgerald.
 Nina Marion Greenwood.
 Florence Lathrop Grow.
 Edna May Guild.
 Marion Emerson Haliburton.
 Dora Haskell Hammond.
 Mildred Louise Harvey.
 Mabel Frances Hayward.
 Margaret Etta Hegan.
 Florence Louise Hines.
 Nettie Florence Hobbs.
 Fanny Hopkins.
 Isabelle Jacobs.
 Grace Bell Kendall.
 Annie Louisa Kiley.
 Elizabeth Frances Leahy.
 Mae Virginie Lebert.
 Helen Frances Manning.
 Georgine Eliza McConnell.

Mary Elizabeth McIntosh.
 Hazel Estelle McLean.
 Lillie Beatrice McLean.
 Edith Emma McNabb.
 Mildred Frances Merrill.
 Hazel Louise Miller.
 Mabelle Gertrude Moody.
 Gertrude Emma Moorehouse.
 Frances Esther Morang.
 Ethel Louise Morehouse.
 Marion Louise Morrison.
 Marion Beatrice Nolan.
 Dora Ethel Nourse.
 Florence Gertrude Nye.
 Mary Agnes O'Brien.
 Irene Annabel Osborne.
 Emma Julia Prouty.
 Mary Gertrude Purcell.
 Josephine Winifred Regan.
 Alice May Rice.
 Florence Josephine Risdon.
 Julia Collins Theresa Ronan.
 Frances Elizabeth Russell.
 Katherine Eva Schick.
 Mabel Cushing Souther.
 Ethel Frances Stackpole.
 Helen Josephine Stacy.
 Ann Clotilda St. Coeur.
 Nellie Augusta Sullivan.
 Bessie Louise Taylor.
 Ethel Mansfield Thompson.
 Marion Rose Van Wart.
 Florence Esther Vello.
 Olive Clayton Webster.
 Frances Elizabeth Welch.
 Helen Call Welch.
 Anna Woodbridge.
 Mildred Perry Young.

Harry Arthur Atwater.
 Carlos Augustus Bailey.
 Francis Tewksbury Bailey.
 Albert John Beach.

Harry Lester Bowen.
Minot Joseph Brown.
Stephen Joseph Buttimer.
Rodney Smith Crerie.
Samuel Truman Cushing.
Joseph Ignacio DeAvellar.
Benjamin Leslie Dolbear.
Richard Osborne Fernandez.
James Augustine Flaherty.
Russell Elliot Freeman.
George Henry Gove.
John Gill Hall.
Albert Leland Hart.
Herbert James Henderson.
Frank Howard Holland.
Robert Gardiner Hopkins.
Elmer Clifford Houdlette.
Cheston Melville Hutchins.
Arthur Keach.
Richard Amos Keyes.
James Leo Kilmartin.

John Robert Lakin.
Frederick Alton Lloyd.
John Francis Manning, Jr.
Joseph Francis McCabe.
George Franklin McCledden.
James Joseph Mooney.
James Andrew Murray.
Albert Lorn Newell.
Neil Bailey Philbrick.
Floyd Jacob Pitcher.
Charles Sidney Rice.
Carl Richard Safford.
Sidney Leroy Savage.
Charles Holman Smith.
Augustus Benjamin Tripp.
Roscoe Morgan Waterhouse.
Victor Raymond Weston.
Ernest Augustus Wheeler.
Elmar Hursh Whitney.
Ralph Artemas Wiswall.
Roy Oswald Young.

TABLE 27.—GRAMMAR SCHOOL GRADUATES.

The lack of a hall large enough to accommodate all the grammar school graduates and their friends compelled us to devote two evenings to the graduation exercises. Accordingly, Tuesday evening, June 26, and Wednesday evening, June 27, were set apart for the purpose.

The following was the order of exercises on Tuesday evening:—

Order of Exercises.

- George E. Whitaker, Vice-Chairman of School Board, presiding.
1. Overture.
"Fra Diavolo." Auber
Hadley's Orchestra.
2. Prayer.
Rev. Loren A. Clevenger.
3. *†"Gloria" (Mass in B flat). Henry Farmer
4. Address.
"The Reason for Education."
Robert Luce, of Somerville.
5. *†Singing.
Two-part Song (Girls' Voices), "Wanderer's Evening
Song." Rubinstein
6. Address to Graduates and Presentation of Diplomas to Gradu-
ates of the Knapp, Carr, and Morse Schools.
Charles H. Hood, Member of School Board, Ward Six.
7. *†Singing.
"A Day on the Water" (A Yachting Waltz). G. A. Veazie
8. Presentation of Diplomas to Graduates of the Highland and
Hodgkins Schools.
Mr. Hood.
9. *Singing.
"Pilgrims' Chorus," "Tannhauser." Wagner

* All singing accompanied by Hadley's Orchestra under the direction of S. Henry Hadley, teacher of music in the schools.

† Orchestration by S. Henry Hadley.

Names of Graduates.**KNAPP SCHOOL.**

Sigrid B. Aker.	Raymond L. Landers.
Sylvie Aker.	Mary C. Laverty.
Maurice E. Barron.	Eleanor Lipsett.
Daniel C. Bennett.	W. LeRoy Lounsbury.
Albert R. A. Berg.	Theresa M. Mahoney.
Minola O. Berglind.	John E. McCaulay.
Mabel R. Bratton.	John F. McCrossan.
Minnie M. Cole.	Mary A. McGoldrick.
Edward C. Currie.	W. Lillian McGuire.
Irene K. Delay.	George H. Melville.
Thomas A. Dewire.	Margaret E. Monahan.
Mary C. Dillon.	Edith M. Morrison.
Teresa M. Dillon.	Ethel E. Morrison.
Marion F. Dondale.	Florence O. Morrison.
Rita I. Dooling.	Martha R. H. Nash.
Alfred A. Doucet.	John J. O'Brien.
Bertha A. Eaton.	Thomas E. O'Connor.
Harriett E. Faulkner.	Florence E. Oneal.
Norman J. Given.	Frances E. Patterson.
Henry W. Grady.	Anna O. Quarnstrom.
Elton N. Groombridge.	Emily Rapson.
Kathryn I. Hanley.	Charles T. Richardson.
Jennie E. Harrington.	Agnes L. Riley.
Elizabeth A. M. Hart.	Francesca F. E. M. Rinaldi.
James M. Hart.	Marguerite D. Rupert.
Wilhelmina N. Hellmann.	William A. Russell.
Shephard E. Henderson.	Ellen H. Snell.
Miles C. Higgins.	Eva E. Sprague.
Edward J. Kelly.	May A. Sullivan.
Mabel M. Kelley.	Hazel I. Thompson.
John F. Knight.	Augustus A. Zink.
Joseph O. Koschwitz.	Walter L. Zink.

CARR SCHOOL.

Bertha A. Adams.	Loretta M. Jesson.
Dorothy Baxter.	Alice C. Jones.
William O. Baxter.	Herbert W. Jones.
Vila L. Baldwin.	Edward J. Kelly.
Jeanette L. Berkowitz.	Edward J. MacIntosh.
Nellie F. Black.	Ella L. MacKenzie.
Peter H. Bonner.	Earle D. Martin.
Claire A. Bowler.	Eleanor M. McCarthy.
Ruth I. Bowler.	Joseph P. McCarron.
Mary E. Carney.	Isabel McKee.
Catherine F. Colbert.	Rose L. Pierson.
Frances M. Conway.	Raphael C. Pitcher.
Michael J. Coyne.	Addison D. Putman.
Loretto Cremen.	Robert A. Quigley.
Fred S. Douglas.	Gladys L. Reid.
Franklin L. Dupont.	Thomas M. Sharry.
John H. Fales.	Elinor H. Sibley.
Arthur Foster.	Grace C. Stone.
Chester R. Gardner.	Edmund Wall.
George H. Gibson.	Gertrude M. Whelan.
Mira Hall.	Charles A. Willard.
Jessie Hambro.	

MORSE SCHOOL.

Henry H. Anderson.
 Pauline Barker.
 J. Roland Blair.
 Gladys E. Bradford.
 Frank L. Bradhurst.
 V. Belle Brown.
 Mary J. Callahan.
 Wilfred W. Chandler.
 Edward H. Cole.
 Grace Conant.
 Ella C. Conner.
 George H. Dodge.
 Walter H. Duncan.
 Harvey S. Dyer.
 Hilda E. Foley.
 Jacob Golden.
 Helen G. Henderson.
 Ethel F. Hooper.
 Clarence R. Hopkins.
 Walter S. Jones.
 Margaret R. Keefe.
 May M. Keegan.

Julia A. Komenda.
 Hilda E. Larsson.
 Harold F. Lawrence.
 Mary L. Mahony.
 William J. McCarthy.
 John J. Meagher.
 Marion A. Moore.
 Howard A. Oxner.
 Annie L. Perron.
 Chester B. Raymond.
 George F. Rice.
 Walter B. Rierdan.
 Wesley E. Robbins.
 Charles I. Roberts.
 Raymond W. Rosborough.
 Ruth E. Swanson.
 Eugenie D. Thompson.
 Samuel Trustenitzer.
 Harold B. Tuttle.
 Marjorie A. Tuttle.
 Percy A. Wales.
 Bessie L. Woodward.

HIGHLAND SCHOOL.

E. Everett Adams.
 George A. T. Anderson.
 William B. Anderson.
 William J. Apsey.
 Nita S. Arnold.
 Herman E. Bailey.
 Emma M. Baker.
 Warren L. Baker.
 A. Estelle Balcom.
 Alma Benthall.
 Minnie Bernson.
 Edith E. Bisbee.
 William R. Burnett.
 Helen F. Burt.
 Philip R. Calder.
 Anna E. Carlson.
 Dorothea P. Chenoweth.
 Marion E. Clough.
 Ethel Colcord.
 Russell M. Crispin.
 Gladys M. Crosby.
 Muriel L. Crosby.
 Hazel J. Davenport.
 Dora A. Dearborn.
 Marcia L. Dearing.
 Gladys W. Dolliver.
 Emily J. Ellis.
 Lea R. Ellis.
 Maude I. Esdale.
 H. Kathleen Flynn.
 Fred Forg.
 Olive G. Fryett.

Herbert W. Gardner.
 Albert M. Goodell.
 Gordon Grainger.
 Grace S. Graves.
 Eva B. Gray.
 Axel H. Gren.
 Marion E. Gurnham.
 Andrew F. Handley.
 Maude H. Hartley.
 Alfred W. Hayward.
 W. Wesley Hildreth.
 Wayne M. Hodgdon.
 W. E. Russell Hoffses.
 Edward F. Hoppé.
 Janet S. Howard.
 Vernon H. Howe.
 Horace W. Hutchins.
 Estella F. Hyde.
 Maurice Keezer.
 Ethel G. Kinney.
 William A. Kiley.
 Florence A. King.
 Mabel G. Kingston.
 Louis E. Kitchen.
 Percy W. Lantz.
 Anna M. Le Hand.
 Fannie M. Lewis.
 Robert L. Lichtenstein.
 Deana B. Lounsbury.
 E. Louise Lovejoy.
 Beatrice G. Lowell.
 Emily B. Maddison.

Osmon T. Marsh.
 Charles A. Martell.
 Lillian A. McCarthy.
 Ernest H. McKinley.
 Francis G. McLaughlin.
 L. Claudine McLaughlin.
 Mary D. Meyrelles.
 Mildred F. Miller.
 Charles E. F. Mitchell.
 Walter M. Molineaux.
 Harry W. Moulton.
 Bessie C. Nelson.
 John H. Nickerson.
 Lillian M. Nickerson.
 Frank L. Niles.
 Gabriella L. Novy.
 J. William M. Parks.
 Pearl L. Phillips.
 Philip H. Proctor.
 Helen L. Rogers.
 G. Graham Ross.
 Florence B. Russell.
 Ruth I. Ryder.

Mary W. Salls.
 Hazel A. R. Sanborn.
 Robert C. Scott.
 Blanche D. Skelton.
 John M. Skilling.
 Alice Smith.
 Louis H. Smith.
 Gertrude A. Starkey.
 Ruth Stevens.
 Oliver B. Teakles.
 Mabel H. Tholander.
 Selma E. Tholander.
 Marion W. Truesdale.
 Frederic Tutein.
 Percy H. Waite.
 Blaine W. Washburn.
 Mabel E. Waugh.
 Josephine A. Welch.
 Louis H. Welch.
 Mary H. Welch.
 Elsie C. Wilbar.
 Lucy B. Wilson.
 Harold G. Woodman.

HODGKINS SCHOOL.

Hazel B. Backus.
 Charles L. Berg.
 Laura E. Boyden.
 Martha A. Bryan.
 Alice E. Chorlton.
 Lillian M. Chute.
 Frederick A. Connor.
 Lee R. Cousins.
 James W. Couzens.
 Stoodley Crosby.
 Bessie M. Cross.
 Frances Donovan.
 Winifred C. Evans.
 Ruth S. Fales.
 T. Wallace Fiendel.
 Claude G. Fleming.
 Cecelia S. Fogarty.
 Marion A. Foster.
 Stuart B. Foster.
 Emma F. Gilman.
 Harold R. Green.
 George W. Gunn.
 Lillian J. Gunsenhiser.
 Ruth E. Haskell.
 Freda B. Hennings.
 Ruth F. Hunter.
 A. Leslie Hooper.
 Minnie E. Jones.
 Stanley R. Kingman.

Ruth A. Lamont.
 Inez S. Laurie.
 Frank A. LeCour.
 Oliver C. Lee.
 Edith D. Leland.
 Ada M. Lewis.
 Francis A. Maulsby.
 Sumner A. Mead.
 Pauline Merrill.
 Theodora C. Moore.
 Idine M. Nichols.
 Florence M. Northrop.
 Richard A. Olson.
 Philip K. Pearson.
 Arthur B. Perry.
 Chester A. Ramsey.
 Fred J. Rice.
 Perley A. Rice.
 Marion A. Roberts.
 Alice G. Savage.
 Frank J. Savage.
 Nellie H. Sinclair.
 Charles E. Seabury.
 Arthur J. Tellier.
 Sadie A. Thomas.
 Marion A. Trenholm.
 Frances A. Valente.
 Charles Waranow.
 Carl A. Wilton.

The following was the order of exercises for Wednesday evening:—

Order of Exercises.

Frederick A. P. Fiske, Chairman of School Board, presiding.

1. Overture.
"Fra Diavolo." Auber
Hadley's Orchestra.
2. Prayer.
Rev. Robert W. Beers.
3. *†Singing.
"Gloria" (Mass in B flat). Henry Farmer
4. Address.
"The Spirit of Service."
Jeremiah E. Burke,
Assistant Superintendent of Schools, Boston, Mass.
5. *†Singing.
Two-part Song (Girls' Voices), "Wanderer's Evening
Song." Rubinstein
6. Address to Graduates and Presentation of Diplomas to Gradu-
ates of the Prescott, Pope, Bell, and Edgerly Schools.
J. Walter Sanborn, Member of School Board, Ward Five.
7. *†Singing.
"A Day on the Water" (A Yachting Waltz). G. A. Veazie
8. Presentation of Diplomas to Graduates of the Glines, Forster,
and Bingham Schools.
Mr. Sanborn.
9. *Singing.
"Pilgrims' Chorus," "Tannhauser." Wagner

* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

† Orchestration by S. Henry Hadley.

Names of Graduates.**PRESCOTT SCHOOL.**

Clyde B. Aldrich.	Dorothy A. Kimball.
Eveline Banks.	Florence L. Lauman.
Marion F. Bearse.	Carrie J. Litchfield.
George L. Brown.	Lee W. McIntire.
Bertha L. Burgess.	Herbert W. Merrill.
Charles O. Calnan.	Lucile Merritt.
Mildred E. Carpenter.	Lewis A. Miers.
Oscar W. Chandler.	Mary L. Murray.
Lula E. Chapman.	Ralph E. Nowell.
Pauline Conant.	Walter A. Smith.
Arthur B. Cragin, Jr.	Walter F. Thompson.
Susan W. Curtis.	Eleanor F. True.
Robert T. Davis.	Bella R. Vaughan.
Ethel L. Gowell.	Ethel E. Warren.
Chester A. Hall.	Dorothy Whittaker.
Everett G. Hanson.	Laura J. Wilson.
Leah R. Harris.	Veda M. Yuill.
Anna C. Hayden.	

POPE SCHOOL.

Cora M. Adams.	Bertha I. Brawn.
Alice M. Baxter.	M. Beatrice Brine.
Clement J. Beaudet.	Samuel J. Burns.

Alice I. Clapham.
 Mabel V. Clarkson.
 Leon Francis Croy.
 Alice M. Doran.
 Lillian F. Eustis.
 Ralph Livingston Gustin.
 Ernest G. Hall.
 Corinne Marie Hepburn.
 Marie Higgins.
 Helen M. Higgins.
 Henry T. Higgins.
 C. Rossiter Hopkins.
 Marguerite E. Hutchins.
 Katherine M. Jennings.
 Anna N. Johnson.
 Margaret E. Joyce.
 George F. Lawler.
 Edward Mahoney.
 Celia L. Mallahan.

Caroline M. McEleny.
 Sarah R. McEleny.
 Russell Warren McMillan.
 Alice Louise Miller.
 Pearl Mollenhauer.
 Harold L. Musgrave.
 Margaret E. O'Connell.
 Henry B. Peck.
 George B. Pierce, Jr.
 George E. Plimpton.
 Teresa G. Reardon.
 Frank Regan.
 James L. Shoulder.
 Enlah Sias.
 Ruth May Tyter.
 Earle K. Van Buskirk.
 Blanche E. Waters.
 Mabel C. Whitaker.
 Louise Whitney.

BELL SCHOOL.

Milton C. Atkinson.
 Louise C. Bailey.
 Cecil M. Barlow.
 M. Margaret Baron.
 Mason E. Bennett.
 Samuel C. Brack.
 Leroy C. Bridges.
 Mervin F. Brown.
 Otis E. Carpenter.
 Joseph Conte.
 Herbert F. Cooper.
 Arthur N. Copithorne.
 Harry S. Crowell.
 Martin Culliton.
 Olive E. DeMaris.
 John H. Doughty.
 Arthur H. Doyle.
 Paul E. Dutelle.
 Marion C. Earle.
 Edna H. Eaton.
 Mildred R. Ford.
 Frank H. Gerlach.
 Charles D. Henderson.
 Mabelle E. Henderson.
 Grace M. Hickey.
 John J. Keefe.
 Beatrice J. Kennedy.
 E. Florence Knight.

Norman H. Landers.
 Herbert L. Leddy.
 Dorothy F. LeGaltee.
 James A. Lewis.
 Frances Little.
 M. Ethel MacLean.
 Frederick J. Maguire.
 Frances L. McGann.
 Levina M. McWilliams.
 Ethel M. Orcutt.
 John S. Paine.
 Florence D. Perkins.
 Harrison M. Phipps.
 Joseph S. Pike, Jr.
 Bernice H. Rice.
 Margaret C. Rockett.
 Marjorie F. Sawyer.
 Lillian C. Scriven.
 Marguerite M. Scriven.
 Catherine M. Shea.
 Alice E. Smart.
 Elsie M. Sterling.
 I. Marguerite Stevens.
 H. Carl Swanson.
 Beatrice M. Turner.
 Florence M. Whitney.
 John G. Wing.

EDGERLY SCHOOL.

Porter S. Abbott.
 Myra W. Andrews.
 Mildred D. Barney.
 Alice M. Breen.
 Helen E. Corkhill.
 Carrie P. Curran.

Leo E. Davison.
 Mabel C. Dunham.
 Paul L. Eaton.
 Bernice M. Eldridge.
 Myra H. Foster.
 Frank L. Frizzell.

Harold N. Goodspeed.
 Clyde W. Hemeon.
 Harry M. Hillery.
 George W. Houghton.
 Henry C. Jerauld.
 Anna C. Kimpton.
 Helen S. Landon.
 Stanley W. Lane.
 Florence E. Markel.
 Robert E. MacIntyre.
 Helen C. McCullough.
 Mary E. Miller.
 Lillian S. Moreland.
 Robert S. Murdock.
 William Murray.
 Sarah E. Nason.
 Florence P. Nevins.
 Florence L. Patterson.
 E. Pauline Pickering.

Catherine V. Powers.
 W. Herman Putney.
 Catherine E. Quadara.
 C. Orville Reed.
 Ralph W. Rogers.
 Forrest R. Roulstone.
 Esther Scott.
 Marion Scott.
 Stanley A. Smith.
 Edna M. Spofford.
 Frank C. Stackpole.
 Alfred M. Stacy.
 R. Clyde Struble.
 M. Elta Thomas.
 Francis Tracy.
 M. Grace Urmston.
 Myrtle G. White.
 Bertha M. Whitten.

GLINES SCHOOL.

Grace E. Anderson.
 Charlotte E. Ash.
 E. Warren Baker.
 Annie B. Benjamin.
 May C. Bryne.
 Solon J. Candage.
 George J. Chabot.
 Dora A. Churchill.
 C. Rachel Clarke.
 Florence G. Eastman.
 Mabel E. Farnsworth.
 Olivia L. Gilley.
 Catherine E. Glynn.
 Clara A. Hatch.
 Helen G. Hennessey.
 Frank A. Hughes.
 Mary M. Judge.
 Hymen Lipshires.
 Margaret J. McIntyre.
 Ethel V. Manzer.

Harry A. Marchant.
 Otis L. Mason.
 Evelyn C. Morgan.
 Maitland P. Munday.
 Anna V. Murphy.
 Evelyn B. Newcomb.
 Edwin L. Noble.
 Agnes C. L. Peterson.
 Etta A. Pollack.
 William G. Rohrbacher.
 Marion W. Ruggles.
 Eleanor M. Scoboria.
 James B. Sherman.
 Lydia J. Spinney.
 Edwin R. Taylor.
 Marion Theall.
 May P. Whitney.
 Frederic Winn.
 Sadie O. Witham.

FORSTER SCHOOL.

Frank L. Ahern.
 Franklin E. Arnold.
 Evelyn L. Barker.
 Gertrude A. Beacham.
 E. Caroline Bentley.
 Charles A. Bickford.
 Herbert R. Boardman.
 Anna M. Brinnin.
 Mary A. Brown.
 Howard B. Bryant.
 Chauncey M. Butler.
 Helen M. Butman.
 Frederick S. Campbell.
 Carrie L. Clark.

Ethel F. Cleveland.
 Ruth Crankshaw.
 Marion W. Crosby.
 Mary E. Davis.
 George I. Dawson.
 Agnes M. Dinsmore.
 John B. Eames.
 Herman C. Flint.
 Bonnie J. Gerrior.
 Florence E. Googins.
 Mabel F. Grant.
 Harry H. Greenwood.
 Charles C. Grimmons.
 Alice E. Griffiths.

Margaret M. Haggerty.
 Flora M. Harper.
 Iylah M. Harris.
 Arthur S. Hatch.
 Sally G. Hawes.
 Charles H. Hersey, Jr.
 Louise S. Hollis.
 Harold G. Hyde.
 Lillian M. Johnquest.
 Marie A. Johnston.
 Elmer W. Jones.
 Franklin H. Killam.
 Walter A. Knox.
 Lillian C. Macdonald.
 Gladys M. Magoon.
 Chester H. Marshall.
 Myles S. Maxim.
 D. Brooke McKinnon.
 George C. Metzger.
 Harold F. Miles.

Clarence M. Mixer.
 E. Raymond Morse.
 Elmer E. Nary.
 Cornelia H. Patten.
 Harold W. Pendergast.
 Agnes E. Perkins.
 Helen N. Porter.
 Miriam E. Priest.
 Dennis G. Richter.
 Winnifred R. Roberts.
 M. Gertrude Ryan.
 Arthur H. Sanborn.
 Everett F. Scott.
 William A. Sharp.
 Marjorie E. Sprague.
 Doris L. Stacy.
 Paul T. Trueman.
 Ruth W. Wallace.
 Harold S. Wilkins.

BINGHAM SCHOOL.

Annie E. Beecy.
 Isabelle H. Brown.
 May K. Cadigan.
 John S. H. Casey.
 Mary A. Cleary.
 Robert E. Cronin.
 Ethel M. Denney.
 Anna M. Doherty.
 Irene E. Doherty.
 John S. Dunford.
 Elizabeth F. Dwyer.
 Edith M. Gero.
 Lilian C. Howard.
 Catharine E. Keating.
 Alice F. Kelliher.
 Joseph E. Lee.
 Erina F. McAleer.

Frederick E. McLaughlin.
 Louise W. McNeill.
 Patrick E. Murray.
 William J. Murray.
 Frederick L. Nixon.
 Annie E. Norton.
 William I. Pacios.
 Charles E. Rodway.
 Moritz M. Rosenthal.
 Louise Salomon.
 John E. Savage.
 Daniel M. Sullivan.
 John J. Sullivan.
 Hugo A. Virchow.
 John J. Walsh.
 Ella K. Wheeler.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1907.**School Committee.**

FREDERICK A. P. FISKE,	. . . . .	Chairman
J. WALTER SANBORN,	. . . . .	Vice-Chairman

MEMBERS.**EX-OFFICIO.**Term expires
January.

CHARLES A. GRIMMONS, Mayor, 72 Thurston street.	1908
LEONARD W. COLE, Pres. Board of Aldermen, 5 Homer Square.	1908

WARD ONE.

DR. HENRY F. CURTIS,	145 Perkins street.	1908
ELMER H. SPAULDING,	44 Tufts street.	1909

WARD TWO.

DANIEL H. BRADLEY,	19 Concord avenue.	1908
THOMAS M. CLANCY,	52 Springfield street.	1909

WARD THREE.

GEORGE E. WHITAKER,	75 Walnut street.	1908
WILBUR S. CLARKE,	40 Vinal avenue.	1909

WARD FOUR.

CHARLES A. KIRKPATRICK, JR.,	27 Sewall street.	1908
GEORGE W. FOSTER,	7 Evergreen avenue.	1909

WARD FIVE.

HENRY H. FOLSOM,	103 Central street.	1908
J. WALTER SANBORN,	183 Central street.	1909

WARD SIX.

FREDERICK A. P. FISKE,	44 Cherry street.	1908
LEON M. CONWELL,	1 Harvard place.	1909

WARD SEVEN.

DR. GEORGE C. MAHONEY,	97 College avenue.	1908
MRS. HENRIETTA B. H. ATTWOOD,	12 Park avenue.	1909

Superintendent of Schools.

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Cora S. Fitch, Superintendent's clerk, 75 Benton road.

Mary A. Clark, clerk, 42 Highland avenue.

Board Meetings.

January 28.	April 29.	September 30.	December 27.
February 25.	May 27.	October 28.	January 3, 1908.
March 25.	June 24.	November 25.	
8.15 o'clock.			

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1907—Concluded.

Standing Committees.

High Schools.—Sanborn, Mahoney, Curtis, Clancy, Clarke, Foster, Conwell.

District I.—Curtis, Spaulding, Foster.

PRESCOTT, HANSCOM, DAVIS, BENNETT.

District II.—Bradley, Clancy, Clarke.

KNAPP, PERRY, BAXTER.

District III.—Whitaker, Clarke, Curtis.

POPE, BELL, CUMMINGS.

District IV.—Kirkpatrick, Foster, Cole.

EDGERLY, GLINES.

District V.—Folsom, Sanborn, Kirkpatrick.

FORSTER, BINGHAM.

District VI.—Fiske, Conwell, Folsom.

CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mahoney, Mrs. Attwood, Conwell.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Mahoney, Sanborn, Curtis, Clancy, Clarke, Kirkpatrick, Conwell, Grimmons, Cole.

Evening Schools.—Folsom, Whitaker, Fiske.

Finance.—Kirkpatrick, Spaulding, Conwell, Grimmons, Cole.

Industrial Education.—Foster, Clarke, Mrs. Attwood.

Medical Inspection.—Curtis, Clancy, Mahoney.

Music.—Mrs. Attwood, Curtis, Bradley.

Private Schools.—Clancy, Spaulding, Kirkpatrick.

Repairs of School Buildings.—Spaulding, Foster, Folsom.

Rules and Regulations.—Bradley, Folsom, Fiske.

Salaries.—Fiske, Whitaker, Sanborn.

Supplies.—Clarke, Bradley, Sanborn.

Text-Books and Courses of Study.—Whitaker, Spaulding, Bradley, Kirkpatrick, Folsom, Fiske, Mrs. Attwood.

Vacation Schools.—Conwell, Foster, Mahoney.

Note.—The member first named is chairman.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1907.

NAME.	Residence.
LATIN HIGH SCHOOL.	
GEORGE L. BAXTER, Head Master,	27 Warren ave.
Frank M. Hawes, Master,	257 School st.
Charles T. Murray, Sub-Master,	28 Franklin st.
George M. Hosmer, "	13 Arlington st.
William D. Sprague, "	81 Bartlett st.
Frank H. Wilkins, "	61 Boston st.
Frances W. Kaan,	133 Central st.
Lena Gilbert,	51 Elmwood st.
Grace T. Pratt,	62 Waverly st., Roxbury.
Mabel G. Curtis,	49-A Trowbridge st., Cambridge.
Maud M. Cunningham,	42 Highland ave.
Isabel G. Higgins,	10 Dartmouth st.
Eudora Morey,	26 Batavia st., Boston.
F. Gertrude Perkins,	28 Francesca ave.
Miriam Thayer,	552 Washington st., Braintree.
ENGLISH HIGH SCHOOL.	
JOHN A. AVERY, Head Master,	22 Dartmouth st.
Everett W. Tuttle, Master,	64 Vinal ave.
Charles F. Abbott, Sub-Master,*	49 Boston st.
George W. Earle, "	9 Pleasant ave.
Harry L. Jones, "	157 Highland ave.
William W. Obear, "	69 Walnut st.
Howard W. Poor, "	27 Mt. Vernon st., Reading.
Harry F. Sears, "	44 Orris st., Melrose Highlands.
Frederick O. Smith, "	135 Powder House boulevard.
David S. Wheeler, "	Parker st., Lexington.
Laurence A. Sprague, Jr., "	17 Perkins st., West Newton.
John M. Jaynes,	29 Putnam st.
A. Marion Merrill,	66 Highland ave.
Eda L. Nichols,	12 Highland ave.
A. Laura Batt,	66 Highland ave.
Elizabeth Campbell,	15 Pleasant ave.
Mary F. Carrick,	271 Medford st.
Helen L. Follansbee,	40 Vinal ave.
Clara A. Johnson,	177 Central st.
Bertha P. Marvel,	62 Highland ave.
M. Helen Teele,	11 Jason st., Arlington.
Harriet E. Tuell,	10 Harvard pl.
Jessamine D. Wolcott,	15 Jason tr., Arlington.
Blanche S. Bradford,	161 Summer st.
Grace E. Burroughs,	83 Munroe st.
Mabel Butman,	15 Prospect Hill ave.
Nina A. Cummings,	47 Wallace st.
Bessie D. Davis,	13 Mt. Vernon st.
Bessie L. Forbes,	92 Orchard st.
Grace Gatchell,	60 Vinal ave.
Ella D. Gray,	147 Walnut st.
Theodora M. Hastings,	51 Laurel st.
Caroline A. Marsh,	32 Vinal ave.
Ella A. Newhall,	24 Grand View ave.
Anna Pushee,	10 Harvard pl.
Bertha A. Raymond,	30 Bow st.
Nellie H. Swift,	78 Boston st.
Ruth Tousey,	106 Professors row.
Annie C. Woodward,	150 School st.
Augustus B. Tripp,	67 Wallace st.
Mabell M. Ham, Sec'y.,	41 Boston st.

*Leave of absence for one year.

Table 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
PRESCOTT.		
9	SAMUEL A. JOHNSON, Master,	91 Perkins st.
9	Anna M. Bates,	102 Bridge st., Salem.
8	Emma M. Cate,	15 Fletcher st., Winchester.
7	Elizabeth M. Warren,	18 Prospect Hill ave.
6	Susie M. Hosmer,	19 Newbury st., Malden.
5	Florence A. Eaton,	74 Walnut st.
4	Georgiana Smith,	61 Pearl st.
4	Georgia P. Wardwell,	19 Newbury st., Malden.
3	Clara Taylor,	36 Flint st.
3	Elizabeth L. Marvin,	17 Newbury st., Malden.
2	Louise E. Pratt,	110 Pearl st.
2	Jennie M. Twiss,	243 School st.
1	Mattie L. Littlefield,	65 Glen st.
1	A. Louise Bean,	219 Main st., Everett.
SANFORD HANSCOM.		
6	ELIZABETH M. COLLINS, Principal,	55 Putnam st.
5	Inez E. Peterson,	58 Mt Vernon st.
4	Frances E. Robinson,	89 Cross st.
3	Adelaide J. Anderson,	22 Flint st.
2	Maude A. Nichols,	21 Munroe st.
1	Lina E. Dill,	34 Chauncey ave.
Assistant	Pearl F. Dame,	1 Ellsworth st.
Kindergarten	Caroline Boardman,	198 Beacon st., Boston.
Assistant	Gladys Loring,	76 Highland ave.
DAVIS.		
5	MARY A. HOLT, Principal,	72 Boston st.
4	Jennie A. Drew,	11 Chute st., Reading
3	Carrie T. Lincoln,	79 Marshall st.
2-1	P. A. Merritt,	96 Oxford st.
CLARK BENNETT.		
5	ANNIE E. MCCARTY, Principal.	24 Stone ave.
Assistant	Kate B. Gifford,	72 Berkeley st.
4	Katherine Pike,	49 Josephine ave.
4	Edith A. Maxwell,	
3	Nellie F. Eaton,	17 Howe st.
3	Eleanor W. Nolan,	9 Mather st., Dorchester.
2	Katharine C. Connolly,	76 Adams st., Dorchester.
2	Nettie L. Fay,	67 Walnut st.
2	Isadore E. Taylor,	36 Flint st.
1	Bertha M. Martindale,	96 Glen st.
1	Cora B. Gowen,	34 Bow st.
1	Marie Neis,	9 Walnut st., Boston.
Kindergarten	Caroline G. Baker,	40 Benton road.
Assistant	Alice M. Saben,	110 Pearl st.
GEORGE L. BAXTER.		
5	HELEN TINCKER, Principal,	17 Bonner ave.
4	Elizabeth E. Carr,	Danvers.
3	Julia A. Mahoney,	16 Parker st.
2	Agatha G. F. Commings,	24 Hanson st.
1	Maria D. McLeod,	1 Highland pk., Cambridgeport.
Assistant	Dorothy G. MacLam,	26 Vinal ave.
Kindergarten	Elsie G. Ashton,	17 Bonner ave.
Assistant	Eleanor Connor,	59 Church st.

Table 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
	OREN S. KNAPP.	
9	JOHN S. EMERSON, Master,	95 Summer st.
9	Nina M. Doanan,	22 Walnut st.
8-9	Minnie A. Holden,	19 Concord ave.
8	Harriet C. Hamilton,	42 Walnut st.
7	Emma L. Coburn,	27-r Albion st.
7	C. B. Parkhurst,	22 Highland ave.
6	Clara B. Sackett,	91 Summer st.
6	Edith Hersey,	154 Washington ave., Chelsea.
6	N. Lizzie Kennedy,	36 Newbury st., Boston
5	Daisy King,	58 Brook st., Brookline.
4	Annie E. Robinson,	61 Preston rd.
3	L. Gertrude Allen,	230 Washington st.
2	Minnie Alice Perry,	16 Pleasant ave.
1	Blanche L. Paine,	21 Concord ave.
	ALBION A. PERRY.	
5	Catherine E. Sweeney, Principal,	633 Broadway.
4	Irene Vincent,	85 Prospect st.
3	Mary G. Blackwell,	45 Ibbetson st.
2	Helen M. Cogan,	4 Farragut ave.
2-1	Charlotte Holmes,	10 Putnam st.
1	Sarah E. Murphy,	76 Cross st.
	CHARLES G. POPE.	
9	GEORGE M. WADSWORTH, Master,	Whitman.
9	Florence A. Chaney,	78 Huntington ave., Boston.
8	Harriet M. Clark,	10 Vernon st., West Medford.
8	Alice I. Norcross,	18 Russell ave., Watertown.
7	M. Abbie Tarbett,	11 Washington st., Stoneham.
7	Blanche G. North,	8 Munroe st.
6	Minnie A. Blood,	27 Putnam st.
6	Lena F. Shaw,	23 Abbott st., Dorchester.
5	Lizzie W. Parkhurst,	22 Highland ave.
4	Annie G. Sheridan,	84 Prospect st.
3	Mabel K. Davis,	11 Harvard pl.
2	Florence E. Locke,	Boston.
1	Alice B. Frye,	23 Wesley pk.
	LUTHER V. BELL.	
9	HARLAN P. KNIGHT, Master,	61 Putnam st.
9	Alice L. Davis,	19 Aldersey st.
9-8	Grace E. Weeks,	32 Vinal ave.
8	Nellie S. Dickey,	54 Putnam st.
7	Eva R. Barton,	54 Putnam st.
7	Gorda Bean,	12 Prospect Hill ave.
6	Mabel T. Totman,	62 Highland ave.
6	Maribelle Curtis,	55 Putnam st.
5	Emma F. Schuch,	25 Tufts st.
4	Ella H. Bucknam,	27 Putnam st.
3	Helen L. McGann,	45 Putnam st.
2	Martha E. Daniels,	93 Concord ave.
1	Lucia Alger,	28 Bonner ave.

Table 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
	CUMMINGS.	
3	FANNIE L. GWYNNE, Principal,	65 School st.
5-4	Daisy W. Cushman,	40 Vinal ave.
2	Angeline Cann,	Hotel Woodbridge.
1	Elizabeth L. Hersey,	11 E. Newton st., Boston
	EDGERLY.	
9	CHARLES E. BRAINARD, Master,	82 Munroe st.
9	M. Eva Warren,	116 Pearl st.
9	Annie L. Dimpsey,	Hotel Woodbridge.
8	Mary E. Richardson,	35 Bradley st.
8	Mabel Washburn,	116 Pearl st.
7	Mabel C. Mansfield,	35 Bradley st.
7	Isabelle M. Gray,	23 Webster st.
6	Edith M. Snell,	4 Vine st., Melrose.
5	G. Hortense Pentecost,	151 Walnut st.
4	J. Louise Smith,	196 Washington st., Lynn.
3	Lillian Nealley,	109 Glen st.
2	Alice W. Cunningham,	42 Highland ave.
1	Martha M. Power,	37 Gleason st., West Medford.
	JACOB T. GLINES.	
9	MARY E. NORTHUP, Master,	15 Evergreen ave.
9	Mary E. Stiles,	15 Evergreen ave.
9	Nellie E. Briggs,	13 Evergreen ave.
8	Mary A. Lawry,	118 Rogers ave.
7	Blanche S. Hall,	398 Broadway.
6	Lilla M. Marble,	72 Rush st.
5	Zelpha L. Thayer,	19 Lowell st., Reading.
4-5	Ellen A. Boynton,	45 Dartmouth st.
4	Mary A. Goddard,	9 Winter Hill Circle.
3	Margaret A. Orr,	15 Blagden st., Boston.
2	Florence E. Baxter,	49 Hudson st.
1-2	Anna G. Welch,	324 Main st., Stoneham.
1	Carrie Armitage,	57 Madison st.
1	*Belle J. Tift,	201 School st.
Kindergarten	Mrs. Etta D. Ellsworth,	112 Newbury st., Boston.
Assistant	Ida M. Kane,	28 Fellsway West.
	FORSTER.	
9	FRED C. BALDWIN, Master,	63 Sycamore st.
9	Mary E. Bunton,	82 Marshall st.
9	Irene S. Nightingale,	14 Court st., Arlington.
8	Jessie M. Lockwood,	463 Medford st.
8	Mary C. Buck,	28 Kidder ave.
7	Minnie A. Day,	Chelmsford.
7	Emma G. Blanchard,	"The Prescott," Everett.
6	Mina P. Bickford,	216 Park st., Medford.
6	Elizabeth F. Clement,	29 Kidder ave.
5	Mary I. Bradish,	54 Logan ave., Medford.
5	Elizabeth S. Brown,	19 Highland ave.
4	Laura R. Cunningham,	42 Highland ave.
4	Gertrude M. Sias,	37 Wordsworth st., East Boston.
3	E. Mina Smith,	2 Pembroke st.
3	Annie S. Gage,	32 Marshall st.
2	Mabel G. Delano,	108 Cross st.
2	Martha L. Hale,	144 Highland ave.
1	Grace Shorey,	23 Forster st.
1	Cora J. Demond,	"The Prescott," Everett.

* Leave of absence for one year.

TABLE 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
BINGHAM.		
9	HARRY F. HATHAWAY, Principal,	505 Broadway
9	Elizabeth J. O'Neil,	475 Medford st.
8	Elizabeth J. Mooney,	14 Waldo st.
7	Jane Batson,	32 Florence st., Malden.
6	Naomi E. Stevens,	134 Austin st., Cambridge.
6	Mabel E. Perry,	23 Albion st.
5	Lucy K. Hatch,	103 Glenwood rd.
5	Harriet F. Ward,	84 Sycamore st.
4	Eva M. Barrows,	118 Rogers ave.
4	Helen L. Galvin,	Braintree.
3	Harriet M. Bell,	81 Central st.
3	Bessie J. Baker,	13 Mills st., Malden.
2	Grace F. Mulcahy,	143 Sycamore st.
2	Mary F. Mead,	415 Highland ave.
1	Nellie R. Bray,	7 Jasper st.
1	Mabel E. Mansir,	77 Albion st.
1	Clara L. Griffiths,	39 Ames st.
MARTIN W. CARR.		
9	CHARLES G. HAM, Master,	Watertown.
9	Anne E. Bragdon,	53 Laurel st.
8	Clara D. Eddy,	61 Central st.
8	Mary E. Soule,	124 Summer st.
7	May E. Berry,	14 Billingham st.
7	Harriet A. Hills,	14 Billingham st.
6	Marie T. Smith,	87 Orchard st.
6	Marion P. Crawford,	124 Summer st.
5	Susie L. Luce,	8 Walter ter.
5	Mary A. Haley,	117 Summer st.
4	Elizabeth S. Foster,	99 Summer st.
3, 4	Grace T. Merritt,	47 Cherry st.
3	Florence B. Howland,	6 Highland ave.
3	L. Isadore Wood,	53 Laurel st.
2	Florence M. Dearborn,	63 Preston rd.
2	Ethel F. Morang,	157 Lowell st.
1	Gertrude Friend,	16 Park ave.
1	Annie B. Russell,	45 Russell st.
MORSE.		
9	MINA J. WENDRELL, Master,	211-A Summer st.
9	Alice E. Jones.	51 Laurel st.
8	M. Florence Eustis,	51 Laurel st.
8	Clara A. Ball,	12 State st., Cambridge.
7	Minnie E. Haas,	240 West Newton st., Boston.
7	Lennie W. Bartlett,	35 Norway st., Boston.
6	Emma A. Gilman,	130 Huntington ave., Boston.
	*Anna E. Sawyer,	26 Bow st.
5	Lizzie E. Hill,	35 Norway st., Boston.
4	Alice B. Hazelton,	124 Summer st.
3	Agnes C. Rice,	20 Spring Hill terrace.
2	Ardelle Abbott,	71 Craigie st.
1	Mildred M. Moses,	6 Hillside cir.
1	Grace S. Russell,	1097 Broadway.

*Leave of absence for one year.

TABLE 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
	GEORGE O. PROCTOR.	
6	Nora F. Byard, Principal,	
7	Blanche E. Thompson,	108 School st.
5	Alice G. Hosmer,	42 Boston st.
4	Abbie A. Gurney,	28 Bonner ave.
4, 3	Ella P. McLeod,	32 Charnwood rd.
3	Clara L. Hammond,	62 Chandler st.
2	Edith L. Hunnewell,	23 Milton st.
2, 1	Mary S. Richardson,	13 Bartlett st.
1	L. Margaret Potter,	229 Highland ave.
	GEORGE W. DURELL.	
4	ABIGAIL P. HAZELTON, Principal,	124 Summer st.
3	Lucie H. Chamberlain,	35 Laurel st.
2	Ethel Worcester,	24 Brastow ave.
1	Mary Winslow,	38 Spring st.
	BURNS.	
7	LAURA J. BROOKS, Principal,	31 Stevens st., Stoneham.
6	Cara M. Johnson,	130 Park ave., Arlington Heights.
5	Minnie S. Turner,	153 Lowell st.
4	Elizabeth A. Davies,	230 Morrison ave.
3	A. L. Brown,	281 Summer st.
2	Mary E. Lacy,	63 Cherry st.
1, 2	Emma B. Jones,	18 Sargent ave.
1	Alice E. Morang,	157 Lowell st.
	BENJAMIN G. BROWN.	
6	ANNIE G. SMITH, Principal,	24 Florence st., Malden.
5	Grace J. Alexander,	60 College ave.
4	Edna M. Proctor,	93 Revere st., Boston.
3	Lucy M. Curtis,	77 Walnut st.
2	Grace M. Bliss,	78 Summer st.
1	Ida M. Record,	29 Browning rd.
Assistant	Rena H. Wiley,	16 Fosket st.
	HIGHLAND.	
9	AARON B. PALMER, MASTER,	18 Bay State rd.
9	M. Alice Paul,	122 Orchard st.
9	Edna F. Grant,	15 Day st.
8, 9	P. E. Mathews,	201 Morrison ave.
8	N. Irene Ellis,	15 Kidder ave.
8	Grace M. Clark,	10 Vernon st., West Medford.
7, 8	Jennie P. Chapman,	23 Pleasant st., Woburn.
7	Lois M. Thompson,	15 Day st.
7	Edith G. Watts,	201 Morrison ave.
6	Mary L. Bryant,	38 Chandler st.
6	Sarah E. Pray,	126 Orchard st.
5	Mary H. Joyce,	76 Boston st.
5	Lillian F. Richardson,	33 Wallace st.

TABLE 29.—Teachers in Service January, 1907.—Continued.

Grade.	NAME.	Residence.
	WM. H. HODGKINS.	
9	ARTHUR L. DOB, Master,	86 Chandler st.
9	Alice M. Winslow,	16 Park ave.
9	Etta M. Miller,	151 Walnut st.
8	Edith W. Emerson,	135 Central st.
8	Alice S. Hall,	135 Central st.
7	Lilla E. Mann,	4 Park ave.
7	Josephine T. Field,	62 Chandler st.
6	Gertrude W. Leighton,	85 Central st.
6	Beatrice A. Randall,	96 College ave.
5	Flora A. Burgess,	Arlington Heights.
5	Catherine A. Burden,	404 Highland ave.
4	Genieve R. Barrows,	Waban, Mass.
4	Katherine M. Fox,	Stoneham.
2	Jennie M. Patterson,	17 Avon st.
2, 1	Marion I. Noyes,	22 Dover st.
	LINCOLN.	
3	ELIZA H. LUNT, Principal,	50 Curtis st.
3	Charlotte F. Mott,	117 Falmouth st., Boston.
2	Almena J. Mansir,	77 Albion st.
1	Annie H. Hall,	97 College ave.
Assistant	Nona Blackwell,	45 Ibbetson st.
	MARTHA PERRY LOWE.	
4	MAY E. SMALL, Principal,	12 Day st., Cambridge.
4	Stella M. Holland,	46 Chester st.
3	Alice M. Dorman,	201 Morrison ave.
3	Maude C. Valentine,	1098 Broadway.
2	Jane M. Taaffe,	159 Morrison ave.
2	Katherine E. Hourahan,	12 Grove st.
1	Clara G. Hegan,	100 School st.
1	Martha A. Jencks,	62 Chandler st.
	EVENING SCHOOL PRINCIPALS.	
	GEORGE W. EARLE, High.	
	CHARLES T. MURRAY, Prescott.	
	JOHN S. EMERSON, Bell.	
	HARRY F. HATHAWAY, Forster.	
	CHARLES E. BRAINARD, Highland.	

TABLE 29.—Teachers in Service January, 1907.—Concluded.

Grade.	NAME.	Residence.
	SPECIAL TEACHERS.	
	MUSIC.	
7-13	S. Henry Hadley,	46 Pearl st.
6-1	Charlotte D. Lawton,	11 East Newton st., Boston
	DRAWING.	
9-1	Mary L. Patrick,	Newtonville.
	SEWING.	
8-5	Mary L. Boyd,	43 Tennyson st.
8-5	Emma J. Ellis,	54 Marshall st.
8-5	Bertha P. Paul,	23 Monmouth st.
	PENMANSHIP.	
9-1	Wm. A. Whitehouse,	70
	ASSISTANT IN PROCTOR, BURNS, LOWE.	
	Flora M. Smith,	138 Lowell st.

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1907.

	NAME.	Residence.
	SUPERINTENDENT.	
	Gordon A. Southworth,	40 Greenville st.
	CLERKS.	
	Cora S. Fitch,	75 Benton rd.
	Mary A. Clark,	42 Highland ave.
	TRUANT OFFICERS.	
	Lemuel H. Snow,	75 Benton road.
	Jairus Mann,	80 Porter st.

TABLE 31.—SCHOOL JANITORS, JANUARY, 1907.

School.	Name.	Residence.
Latin High, S . . .	Joseph Young	51 Oxford St.
Latin Annex . . .	William H. Kelley	25 Aldrich St.
English High, S . . .	Lewis G. Keene	30 Berkeley St.
Prescott, S, 12 . . .	George A. McGunnigle	50 Pearl St.
Hanscom, S, 6 . . .	Warren Hallett	153 Walnut St.
Davis, F, 4 . . .	N. L. Pennock	54 Putnam St.
Bennett, S, 12 . . .	Daniel T. Campbell	10 Stone Ave.
Baxter, S, 6 . . .	Israel Winterbottom	2 Bolton St.
Knapp, S, 12 . . .	John C. Sampson	40 School St.
Berry, S, 6 . . .	Henry C. Bradford	72 Boston St.
Pope, F, 12 . . .	Hiram A. Turner	16 Gibbens St.
Bell, S, 12 . . .	F. S. Dickinson	1 Putnam St.
Cummings, F, 4 . . .	William T. Higgins	53 Prescott St.
Edgerly, S, 12 . . .	Charles P. Horton	22 Everett Ave.
Glines, S, 14 . . .	Roy C. Burckes	249 School St.
Forster, S, 18 . . .	John H. Kelley	19 Sycamore St.
Forster . . .	James L. Whitaker	146-R Sycamore St.
Bingham, S, 16 . . .	John F. O'Brien	347 Lowell St.
Carr, S, 16 . . .	James W. Rich	206 Highland Ave.
Morse, F, 12 . . .	John W. Cremen	69 Oxford St.
Proctor, S, 8 . . .	George W. Libby	215 Pearl St.
Durell, S, 4 . . .	John Shea	97 Gilman St.
Burns, S, 8 . . .	Charles Gallaway	160 Hudson St.
Brown, S, 6 . . .	O. M. Pote	23 Howe St.
Highland, F, 12 . . .	E. Parker Cook	398 Highland Ave.
Hodgkins, S, 14 . . .	Andrew B. Colesworthy	33 Simpson Ave.
Lowe, S, 8 . . .	John F. Richardson	190 Morrison Ave.
Lincoln, S, 4 . . .	Thomas C. Dame	1 Ellsworth St.

Buildings heated by steam are marked "S," by furnace "F." The numbers show the number of rooms.

The high schools are heated by a single plant in Latin building.

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS.

OF THE SOMERVILLE PUBLIC LIBRARY, YEAR ENDING DECEMBER 31, 1906.

Trustees.

EDWARD C. BOOTH, M. D.	IRVING G. HALL.
JOHN B. VIAL.	FREDERICK W. PARKER.
J. FRANK WELLINGTON.	THOMAS M. DURELL, M. D.
HOWARD D. MOORE.	WILLIAM L. BARBER.
REV. CHARLES L. NOYES.	

Officers.

EDWARD C. BOOTH, M. D.	. . . . .	President
SAM WALTER FOSS	. . . . .	Secretary

Committees.

Building and Grounds—Viall, Wellington, and Hall.
Administration—Wellington, Parker, and Durell.
Books and Catalogues—Booth, Viall, Moore, Hall, Noyes, and Durell.
Finance—Parker, Moore, and Barber.

Librarian.

SAM WALTER FOSS.

Assistant Librarian.

FLORENCE D. HURTER.

Cataloguer.

ESTHER M. MAYHEW.

Assistant Cataloguer.

EDITH B. HAYES.

Children's Librarian.

ANNA L. STONE.

School Librarian.

MARY S. WOODMAN.

Reference and Art Librarian.

MABEL E. BUNKER.

Assistants.

BESSIE L. DUDDY.	FLORENCE M. BARBER.
NELLIE M. WHIPPLE.	CHARLOTTE R. LOWELL.
ALICE W. SEARS.	RAYMAH H. SMITH.

Attendants.

CHARLES A. PERRY.	SAXTON C. FOSS.
F. STUART DEAN.	CECIL M. BARLOW.

Janitor.

CHARLES A. SOUTHWICK.

PUBLIC LIBRARY ACCOUNT.

Receipts and Expenditures for 1906.

CREDIT.	
Appropriation	\$14,500 00
Dog tax	4,376 83
Lothrop, Lee & Shepard	3 00
School Contingent account	6 99
Fines, etc.	846 25
Total	\$19,733 07
DEBIT.	
Books and periodicals	\$6,362 04
Binding	2,053 05
Cards	125 00
Printing	357 60
Stationery	66 08
Salaries	9,547 87
Agencies	524 61
Express	336 57
Postage	20 00
Telephone	48 89
Supplies	70 32
Binders	18 35
A. L. A. membership	5 00
Typewriter	97 50
Ice	13 45
Desk	5 00
Disbursements	68 75
Pictures	6 00
Total	\$19,726 08
Balance unexpended	6 99
Total	\$19,733 07

Isaac Pitman Art Fund.

CREDIT.	
Balance from 1905	\$84 45
Interest July 1, American Telephone & Telegraph Co.	80 00
Interest December 31, American Telephone & Telegraph Co.	80 00
Total	\$244 45
DEBIT.	
Books and pictures purchased in 1906	\$99 37
Balance carried to 1907	145 08
Total	\$244 45

Isaac Pitman Poetry Fund.

CREDIT.	
Balance from 1905	\$58 39
Interest July 1, American Telephone & Telegraph Co.	20 00
Interest December 31, American Telephone & Telegraph Co.	20 00
Total	\$98 39
DEBIT.	
Books purchased in 1906	\$21 88
Balance carried to 1907	76 51
Total	\$98 39

REPORT OF THE TRUSTEES.

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—The annual report of the trustees of the public library is herewith respectfully submitted.

This has been an uneventful but busy year in the annals of the library. Few new features have been inaugurated, and the work has been conducted mainly along the lines of the last few years.

By reference to the report of the librarian, which is appended to, and made a part of this report to your honorable body, the doings of the library will be seen in detail.

The entire circulation of the library for the year at the central building and the various agencies was 410,538 volumes, an increase over that of the previous year of upwards of 18,000. This increase was made principally in the first five months of the year, for during the remaining months, for some unknown reason, there has been a slight comparative falling off in the volume of business. Slightly less than seventy per cent. of the books given out were works of fiction—a somewhat smaller percentage than has been noted for several years.

The school work of the library has been carried on as usual, and in addition, the entire collection of stereographs, comprising some 1,500 views in twenty-seven sets, was withdrawn for a time from general circulation and devoted to the use of the schools—principally in connection with the studies of the seventh and eighth grades.

During the year fourteen traveling picture galleries have been exhibited at the library. These pictures, excellent photographs, and full and instructive in the subjects of which they treat, are well worth the careful examination of the public, but being necessarily displayed in the second story of the building, have not received the notice which their value merits.

The library began in February furnishing books to the Somerville hospital. The result has been a happy one, and numerous patients have been thereby relieved of the tedium of a long and enforced absence from their regular employments.

The meeting of the American Library Association was held this summer at Narragansett Pier. The unusual nearness of this notable gathering enabled most of the members of the library staff to be present, each for one or two days of the week of the meeting, and we feel sure that all must have been stimulated by the able papers read and discussed and by contact with such a body of enthusiastic library workers.

The subject of the loss of books in consequence of throwing open the library alcoves to the public has been given serious attention by the trustees. This system of free access has been in operation for five years and has added greatly to the pleasure and profit of the users of the library; indeed, it has probably been the subject of more public commendation than any other policy inaugurated by the trustees. The children's library, established in 1898, has always been open to its users, and the children have long been in the habit of consulting the shelves before deciding what books to select. Doubtless, both of these classes of borrowers would be most unwilling to relinquish the privileges which they have so long enjoyed, and the trustees, themselves, would be loth to take the long step backward which the revocation of these privileges would signify; but they cannot view with indifference the considerable loss of books which this system entails. One hundred and seventy-two books disappeared from the children's room during the year 1905. Most of these are of small value, and their loss will not be greatly felt, besides it is probable that many have been taken thoughtlessly by careless children; but the same extenuation cannot be granted to those who have removed some hundreds of books from the shelves of the main stack rooms. These include works from every department, even several on theology being among the number. It is probable that this list of lost books will later be cut down from twenty-five to fifty per cent.; nevertheless, in spite of the warning that a citizen of Somerville has been imprisoned for a systematic stealing of books, in spite of the vigilance of the assistants at the turnstiles, and of the police officer of the building, and notwithstanding that the perforating stamp of the library renders the books abstracted worthless for the purpose of sale,—the fact still remains that some in the community are constantly pilfering from the shelves! The question is, shall the privileges of the many be revoked or curtailed because a few are unworthy of the confidence reposed in them?

The question of greater library facilities for the people of West Somerville has agitated the minds of the trustees for several years and has been touched upon in the last three annual reports. This part of the city has been and is growing very rapidly. The extension of electric lines and the proximity of the entire region to the steam railroads has developed this section to a degree and with a rapidity astonishing to those who have not kept in touch with these changes. Three of the six agencies are located in West Somerville, and they do five-sevenths of the entire business done by the agencies. This showing speaks for itself. The agency at Davis Square, called the West Somerville agency, has for some time been unsatisfactorily housed. Patrons, if they come in any considerable numbers, are unlikely to receive the proper attention, assistance, and encouragement at a store in a busy square where the clerks have varied and incongruous duties. In view of these considerations the trustees believe that

better accommodations should be given to the people of this district and are unanimous in recommending that a separate room be hired in the vicinity of Davis square and properly fitted up, in which shall be placed magazines, papers, and such a stock of books as shall seem to be advisable, and the room be put in charge of a regular assistant. We believe that such an arrangement will meet the present requirements of the people of West Somerville and will be satisfactory to the citizens.

The trustees were pleased to meet members of the city council at the library on the evening of May 1, after the ceremony of the unveiling of the portraits of the late Mr. Cole and Mr. Vincent, and trust that they may have further opportunities of meeting members of the city council and other citizens of Somerville, and showing them the manner and extent of the work that the library is doing for the people.

In view of the increasing cost of maintaining the library, the trustees would respectfully ask for an appropriation of \$16,000, and the dog tax for the ensuing year. And in case the city government should see fit to adopt the recommendations of the board for the establishment of a branch reading room and distributing agency at West Somerville, that \$1,500 be appropriated for its support.

To the regret of the trustees, Miss Adele Smith, the assistant librarian, resigned her office in October after a conscientious and valued service of eight years. She was succeeded by Miss Florence D. Hurter, who has been connected with the library for seven years, and has well deserved promotion.

It remains for us again to commend the zeal and faithfulness of our librarian and the courtesy of the assistants and their devotion to the work.

Respectfully submitted for the board of trustees,

EDWARD C. BOOTH,
President.

I herewith submit the librarian's thirty-fourth annual report. Below is a statement in detail relative to the various departments.

The cataloguing department, under the supervision of Miss Esther M. Mayhew, has accomplished the usual amount of work demanded by the needs of the library and its agencies. The work of the department embraces the keeping up to date of the general catalogue, the catalogue in the children's room, the catalogue in the reference room, the shelf-list, and catalogues at the Teele-square and the Davis-square agencies. An additional set of cards has also been prepared during the past three years for all new books purchased by the library during that period. These cards have been filed away and are now ready, as soon as a suitable cabinet has been purchased, to be placed in some one of our agencies. It is no more than just that these cards should be given to that agency, now unsupplied with a catalogue, which does the greatest amount of business. On this basis they should be given to the Highland agency, and I recommend that a card catalogue be installed in this agency as early in the coming year as it can be conveniently prepared. Cataloguing is a very important function of the work of the library, but with open access to the shelves the various catalogues are not used to the extent they were formerly employed. As soon as the people once learn that the books are arranged in an orderly way upon the shelves, systematically according to their classes, they much prefer to consult the books themselves rather than names of books printed on catalogue cards.

Catalogues are still very essential for scholarly and reference purposes in a public library; but in a library where open access prevails their use is very much diminished.

Below are the statistics of books withdrawn from the library, books added to the library, and books bound by the library during the year:—

Accession number January 1, 1906	81,520
" " " 1907	87,500
Total number of books added during 1906	5,980
Books new to library	2,998
Duplicates	2,982
Total number withdrawn	11,780
Total number of books in library	75,720

Binding.

Volumes rebound	4,551
Periodicals bound	347
Paper-covered books bound	50
Pamphlets	34
Total	4,982

Books Withdrawn.

Number of books worn out	1,026
“ “ “ lost by general readers	67
“ burned on account of infectious exposure	49
“ lost in schools	134
“ reported missing at inventory	725
Total number withdrawn	2,001
Total number of books withdrawn to January 1, 1906	9,779
“ “ “ “ “ during 1906	2,001
Total	11,780

School Department.

The school department, under the supervision of Miss Mary S. Woodman, has done efficient and satisfactory work. The sending out of stereoscopic exhibits to the various schoolrooms has given excellent satisfaction to the teachers and school authorities. These stereoscopic views have been brought to a high state of artistic excellence, and furnish great supplementary assistance to the study of geography. Twenty-seven sets of these views have been used during the past year in sixty-one schoolrooms. If views of Africa, South America, and large sections of Asia outside the bounds of ordinary tourist travel could be supplied, the value of these exhibits would be greatly enhanced. We have now been making large purchases for the school department for a period exceeding eight years, and we are consequently able to supply the ordinary needs of the teachers and the schools. At the end of the year, however, our supply of books is so exhausted that the teachers have a rather meagre list from which to make their selections. Though the demand for increased addition of books to this department is not so urgent as it formerly was, I recommend that, for a few years, we continue to make our usual addition to its collection, in order that there may always be an adequate surplus of books on the shelves from which the teachers may choose their school libraries.

Below are the statistics of this department for the year:—

Books in library	7,111
Increase during year	697
Libraries out	147
Volumes out	5,913
Volumes delivered	7,400

Circulation during year:—

Fiction	49,012
Non-fiction	58,785
Total	107,797

Reference and Art Department.

The reference and art department, under the supervision of Miss Mabel E. Bunker, has passed through a successful year.

Below is given the monthly attendance for the year:—

January	1,242
February	1,170
March	1,059
April	917
May	686
June	471
July	459
August	406
September	652
October	1,205
November	1,252
December	662
Total	10,181

During the year there have been fourteen art exhibitions, as follows:—

The Passion Play at Oberammergau, 1900, with scenery of Upper Bavaria.

Paris, No. 1, Ile de la cite.

Florence, No. 5.

Old Boston.

Famous pictures, No. 5.

Japan.

Up the Rhine.

Velasquez.

Plymouth.

Scotland, No. 2.

New Zealand.

Mexico.

Yellowstone National Park, No. 2.

Florence, No. 3.

Some of the books purchased during the year for this department:—

Addison's The Art of the Dresden Gallery.

Barrington's Reminiscences of G. F. Watts.

Bell's Old Pewter.

Binn's The First Century of English Porcelain.

Biographical Congressional Directory, 1774-1903.

Boulton's Thomas Gainsborough.

Browne's Japan, the Place and the People.

Calthrope's English Costume.

Cook's France, Historic and Romantic.

Cram's Impressions of Japanese Architecture.

Cyclopedia of Drawing, two volumes.

Fairholt's Costume in England, two volumes.
 Frantz's French Pottery and Porcelain.
 Hartmann's Japanese Art.
 Jackson's Mural Painting.
 Mauclair's The Great French Painters.
 Menpes' India.
 Molloy's Sir Joshua and His Circle.
 Moore's Old Pewter, Brass, Copper, and Sheffield Plate.
 Murray's Highroad of Empire.
 Nesbit's Algeria and Tunis.
 Spielmann's British Sculpture and Sculptors of To-day.
 Stevens' Genealogy.
 Stone's Book-plates of To-day.
 Van Millingen's Constantinople.
 Wedmore's Fine Prints.
 Wigram's Northern Spain.
 Williamson's How to Identify Portrait Miniatures.
 Wood Genealogy.
 Zur Geschichte der Costüme.
 Also the Vital Records of a number of Massachusetts towns.

This department suffers more from overcrowding than any other department of the library. If it is possible, by any re-arrangement of lights and heating registers, to put in more shelving, it should be done during the coming year.

The Children's Department.

The children's department, under the supervision of Miss Anna L. Stone, continues one of our most useful departments of the library. During the year the circulation of this room has been 67,382, of which 54,458 have been fiction, and 12,924 other works. But it should be remembered that the children by no means confine themselves to the books in the children's room.

Agencies.

The five agencies of the library continue to do their usual work. These agencies are located in stores, and of course the distribution of the library books is not the primary end for which the stores are established. As the agencies are paid per volume for the books circulated, they naturally desire the books that will insure the largest circulation. So the matter of mercantile gain rather than the distribution of the best literature is naturally the motive that influences them. It is a matter of regret that a trained library attendant who knows the resources of the central library and is familiar with library work cannot be employed in each agency. This, of course, is out of the range of possibility, and the agencies are at present doing as good work as the conditions under which they operate will permit. Indeed, the faithful service of some of them deserves high commendation. But it has long been apparent that in the western section of the city the community has outgrown the agency system, and a public library branch of some kind, under trained supervision, should be established there.

Below is a table of circulation of the different agencies during the year:—

Agencies.	Teele Square.	West Somerville.	East Somerville.	South Somerville.	Union Square.	Highland.
January	562	441	55	269	46	9
Shelves	1,275	1,719	815		797	1,178
February	501	341	53	214	30	12
Shelves	1,033	1,476	744		510	1,087
March	512	391	48	231	13	17
Shelves	1,115	1,389	757		485	1,355
April	430	365	24	219	9	13
Shelves	988	1,444	810		452	1,168
May	524	449	79	311	21	19
Shelves	1,132	1,804	1,073		502	1,250
June	369	344	36	237	8	7
Shelves	854	1,236	704		355	964
July	326	445	34	290	11	16
Shelves	1,133	1,707	922		349	1,330
August	228	277	16	228	1	13
Shelves	776	1,283	724		381	999
September	259	256	17	228	14	11
Shelves	804	1,409	795		376	1,054
October	317	426	22	252	13	4
Shelves	1,079	1,790	980		474	1,422
November	320	352	20	205	12	11
Shelves	1,000	1,530	707		354	1,047
December	279	385	29	206	12	9
Shelves	806	1,266	648		82	979
Totals	16,722	22,518	10,162	2,890	5,307	13,974

General Work.

The general work of the library is carried on under the immediate supervision of the assistant librarian. Miss Adele Smith resigned this position September 15 of the present year. She had served in that capacity for over eight years, to the great sat-

isfaction of the library management and with the general good will of the public. Her resignation was a matter of general regret. The position of assistant librarian was filled by the selection of Miss Florence D. Hurter, who had been a member of the staff for a period of seven years. The appointment of Miss Hurter to this position was a reward for faithful and conscientious service. We feel sure that the duties of the position will be faithfully and ably performed by her.

The general circulation figures of the year are as follows:—

	Fiction.	Other Works.	Total.
January	30,988	15,414	46,402
February	25,415	12,929	38,344
March	26,507	13,623	40,130
April	25,546	12,711	38,257
May	30,275	14,795	45,070
June	20,140	8,568	28,708
July	21,586	4,653	26,239
August	15,799	3,498	19,297
September	16,563	4,086	20,649
October	26,398	11,449	37,847
November	24,269	12,067	36,336
December	22,456	10,803	33,259
Total	285,942	124,596	410,538

Last year the circulation was 391,783. There is consequently a net increase the current year of 18,755, or about five per cent. While there has been an increase of our circulation for the entire year, for some reason not discoverable there has been a decrease during the last five months. It is an unusual thing in this library to have a smaller circulation for any month than the circulation for the corresponding month of the previous year.

Below is given our circulation by classes, exclusive of fiction:—

General works	6,784
Philosophy	1,506
Religion	4,262
Sociology	18,186
Philology	734
Natural science	13,052
Useful arts	4,120
Fine arts	7,615
Literature	18,108
History	37,305
Total of general delivery	111,672
Total of children's room	12,924
Total of other works	124,596

Fiction	285,942
Other works	124,596
Total	410,538
Percentage, fiction	69 2-3%
Other works	30 1-3%

Below is the statistical statement of the general work of the year:—

Volumes in library	75,720
Volumes added	5,980
Total circulation	410,538
Delivered from children's room	67,382
“ “ Teele square	4,627
“ “ “ shelves	12,095
“ “ West Somerville	4,472
“ “ “ shelves	18,046
“ “ East Somerville	443
“ “ “ shelves	9,729
“ “ South Somerville	2,890
“ “ Union square	190
“ “ “ shelves	5,117
“ “ Highland	141
“ “ “ shelves	13,833
“ “ Knapp school	878
Volumes out in Sunday schools	1,646
“ “ “ school libraries	7,400
Visitors in reference room	10,181
Cards issued	3,364
Fines	\$709 35
Books	121 35
Telephone	15 55
Total	\$846 25

During the year 323 vacation cards were issued, upon which 1,913 books were taken out, 1,634 fiction and 279 other works. Fourteen hundred and forty-six books were delivered to the homes of the people by our delivery boys. The following Sunday schools take books from the library: Bow-street Methodist, Day-street Congregational, Flint-street Methodist, Highland Congregational, Park-avenue Methodist, Prospect-hill Congregational, the Second Adventist, Second Unitarian, Spring-hill Baptist, West Somerville Baptist, and Winter-hill Universalist. The Somerville Boys' club has out fifty-one books, and the Somerville hospital 100. There are also 100 books at the police station.

In accordance with the authorization granted me by a vote of your board, many departments of the library will be carefully examined with a view to withdrawing from the general collection books that have become obsolete. These books should not be discarded; and I think, upon mature reflection, that they should not be sequestered from the general view or the general access of the public. They should be put in ranges by themselves, open to general access; but these ranges should be plainly labeled

"Obsolete Books," and bear a placard stating that they have been withdrawn from the general stock of books because they are believed to be outdated, and consequently untrustworthy in the light of more recent knowledge. Room for all these books can be easily found, for the present, on the upper floor of the new stack room.

Early in the coming year each member of the staff will be asked to make a specialty of some one department of the library, and to become acquainted to as thorough an extent as possible with the bibliography of that department. Of course it cannot be expected that busy members of the staff can become thorough students in any one of the classes of the Dewey classification. Such an expectation would be absurd, even if it were directed toward a college professor. But each member of the staff will be expected to know in a general way the books that are in the library relating to her specialty, and to understand something of the relative value of the books. The best books on each specialty that are not in the library will be looked up; and thus it is hoped deficiencies may be noted and supplied.

The library has received the following donations of books, pamphlets, and periodicals during the past year:—

List of Donations.

	Vols.	Pamph.	Period.
Allen, Frederick J.	1		
American Lumberma	1		
American Unitarian Association		1	
Amherst College	2		
Boston Atheneum		1	
Boston, Mass.	1		
Boston Museum of Fine Arts		1	
Boston Schoolhouse Department	1		
Boston Trade School for Girls		1	
Boston Transit Commission	1		
California State Library		1	
Carnegie, Andrew		1	
Cemetery Department, Boston		1	
Chipman, R. W.	1		
Cleveland Protestant Orphan Asylum		1	
Connecticut Bureau of Labor Statistics	1		
Cox, Ethel Louise	1		
Cushman, H. E.	1		
Dalton, Mrs. Charles X.	2		
Department of Education, N. Y.		1	
Dolbear, Professor A. E.	18		
Dows, Azro Milton	1		
Drexel Institute		1	
Eaton, C. C.	1		
Eldridge, E. D.		1	
Elliot, Charles D.		2	
First Universalist Church	1		
Flint, George C.	1		
Foss, Sam Walter	2		
Freeman, John R.	1		
Frye, George E.	1		
Gage, Miss Esther			16
Goldberg, Henry		1	
Goldsmith, Benjamin W.	1		
Graves, Henry C., D. D.	1		
Green, Samuel A.	2		
Grimmons, Hon. Charles A.	1		
Higgins, John J.	1		
Holmes, Clay W.	2		
Homecrofters, The	1		
Iowa College		1	
Kidder, Miss S. B.	2		
Kimball, John E.	1		
Lake Mohonk Conference	1		
Library of Congress	5		
Lombard, Louis	1		
Loring, E. J.	4		
Luce, Hon. Robert	6	15	
Massachusetts	27	10	
Massachusetts Civic League		1	
Carried forward	95	41	16

LIST OF DONATIONS.—Continued.

	Vols.	Pamph.	Period.
Brought forward	95	41	16
Massachusetts Civil Service Reform Association . .		10	
Massachusetts Commission for Adult Blind . . .		1	
Massachusetts Free Public Library Commission . .		1	
Massachusetts State Federation of Women's Clubs .	3		
Massachusetts State Library	1		
Massachusetts Total Abstinence Society		1	
Merchants Association of New York		1	
Morse Institute		1	
National School City League		1	
New Bedford Textile School		1	
New York Chamber of Commerce	1		
New York Merchants' Association	1		
New Zealand Government	1		
Ohio State University	1		
Oregon Library Commission	2		
Parker, Mrs. Jos.	2		
Peabody Institute		2	
Perkins, George W.	53		
Perkins Institute	1	2	
Pratt Institute		1	
Providence Atheneum			
Public Libraries:—			
Arlington (Robbins Library)		1	
Atlanta, Ga. (Carnegie Library)		1	
Baltimore (Enoch Pratt Library)		1	
Beverly		1	
Boston		1	
Bradford, Pa. (Carnegie Library)		1	
Brockton		1	
Brookline		1	
Brooklyn, N. Y.		1	
Cambridge		1	
Candia, N. H. (Smythe Library)	1		
Canton		1	
Cedar Rapids, Iowa		1	
Chelsea (Fitz Library)		1	
Chicago, Ill. (John Crerar Library)		1	
Chicago, Ill.		2	
Cincinnati, Ohio		1	
Cleveland, Ohio		1	
Concord		2	
Concord, N. H.		1	
Dayton, Ohio		1	
Detroit, Mich.		1	
District of Columbia		1	
Dover, N. H.		1	
Everett (Parlin Library)		2	
Everett (Shute Memorial Library)		1	
Fall River		1	
Fitchburg		1	
Groton		1	
Hagerstown, Maryland		1	
Carried forward	162	95	16

LIST OF DONATIONS. — Continued.

	Vols.	Pamph.	Period.
Brought forward	162	95	16
Public Libraries (Continued) :—			
Hartford, Conn.		1	
Haverhill		1	
Holyoke		1	
Hyde Park		1	
Jersey City, N. J.		1	
Laconia, N. H.	1		
Lancaster		1	
Lawrence		1	
Leominster		1	
Los Angeles, Cal.		1	
Louisville, Ky.		1	
Lowell City Library		1	
Lynn		1	
Malden		1	
Manchester, N. H.		1	
Marblehead (Abbot Library)		1	
Medford		1	
Milwaukee, Wis.		1	
Minneapolis, Minn.		2	
Nashville, Tenn. (Carnegie Library)		1	
Newark, N. J.		1	
New Bedford		1	
Newburyport		1	
New Haven, Conn.		1	
Newington, N. H.		1	
Newton		1	
Niagara Falls, N. Y.		1	
North Adams		1	
Northampton		1	
Northampton (Forbes Library)		1	
Norwich, Conn.		1	
Paterson, N. J.		1	
Philadelphia, Pa.		1	
Pittsburg, Pa. (Carnegie Library)		1	
Portland, Me.		2	
Poughkeepsie, N. Y. (Adriance Memorial Library)		1	
Providence, R. I.		1	
Quincy (Thomas Crane Library)		1	
Reading, Pa.		1	
St. Louis, Mo.		1	
Salem, Mass.		1	
Scranton, Pa.		1	
Seattle, Washington		1	
Syracuse, N. Y.		1	
Toledo, O.		2	
Wakefield		1	
Watertown		1	
Waltham		1	
Westborough		1	
Weymouth (Tufts Library)		1	
Winchester		1	
Winthrop		1	
Woburn		1	
Worcester		1	
Reorganized Church of Latter Day Saints	1		
Roberts, Charles H.		1	
Carried forward	164	152	16

LIST OF DONATIONS.—Concluded.

	Vols.	Pamph.	Period.
Brought forward	164	152	16
St. Louis Mercantile Library Association		1	
Schwaek, L. H.	1		
Sharpe, Emily	7		
Simmons College	1		
Soldiers' Home		1	
Southworth, Gordon A.	3		
State Board of Charity	1		
Stone, Edwin A.	2		
Superintendent of Immigration	1		
Tobey, E. N., M. D.		2	
Tower, W. E.	1		
Tufts College	1		
Union University		1	
United States	27	172	
University of Colorado	1		
Valentine, H. E.		1	25
Veiller, Lawrence		1	
Washington State Art Association		1	
Western Theological Seminary		1	
Wilcox, Henry S.	1		
Wildes, Charles F.	1		
Wilmington Institute, Del.		1	
Totals	212	334	41

Remarks.

Prominent educators of late have expressed the fear that the public schools are becoming feminized. As far as the patronage of the public is concerned, the public library is becoming feminized. Although the library, of course, does not desire any diminution in the number of its feminine readers, it does sincerely desire an increase in the number of its masculine readers. The number of men in Somerville who have never been in the library probably greatly exceeds the number of men who have visited the library. The number of men who are habitual users of the library is very small in proportion to the entire masculine population of the city. This condition of affairs may be the fault of the men or the fault of the library; but I am strongly of the view it is the fault of both. It is the business of the library, as far as it is blameworthy, to remedy the fault. In order to reach men, it should go where men are, and carry the books with it that men want. The various manufacturing establishments of the city where men are employed should be made, if possible, distributing agencies for the library, where men may obtain the public books they have already paid for in the places most convenient for them. Cards might be mailed to the carpenters of

Somerville containing the best books on carpentry the library possesses. Similar lists should also be sent to plumbers, masons, stone cutters, machinists, engineers, and men in all trades and occupations containing lists of the best library books pertaining to their specialties. A series of talks before the various men's clubs that are springing up so rapidly in the city, before the boards of trade, etc., would give a degree of publicity to the library among the masculine element of our population that is urgently needed. In a few talks of this kind that have already been given I have been surprised to learn, from the after-discussion, that many of the most successful representative men of the community never enter the library. Here is an opportunity for good-natured and tactful missionary work. The disproportionate circulation of fiction in all public libraries is no doubt due to the preponderance of feminine readers. The best books of fiction are nearly always "out." The best books among other works are nearly always "in." This state of things might be somewhat modified and a larger ratio of masculine readers secured if the library permitted its card-holders to take out as many other works at one time as might be desired up to the limit of six, or possibly ten. It is probable that men are really more extensive readers than women in all lines of human thought outside the domain of fiction; and it is probable that men would be far more general patrons of the public library if a systematic effort were directed to that end.

My thanks are due to the members of the staff for their faithfulness, and to your board for your kindly co-operation.

SAM WALTER FOSS,
Librarian.

December 26, 1906.

BOARD OF HEALTH.

1906.

ALLEN F. CARPENTER, Chairman,
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.

OFFICERS OF THE BOARD OF HEALTH.

WILLIAM P. MITCHELL, Clerk and Agent to Issue Burial Permits.

CALEB A. PAGE, Agent.

FRANK L. MORSE, M. D., Bacteriologist.

CHARLES M. BERRY, Inspector of Animals and Provisions.

JULIUS E. RICHARDSON, Milk Inspector.

DUNCAN C. GREENE, Plumbing Inspector.

EDGAR T. MAYHEW, Superintendent Collection of Ashes and Offal.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }
City Hall, January 1, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the twenty-ninth annual report of the board of health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1906:—

Nuisances.

A record of nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:—

NUISANCES ABATED IN EACH DISTRICT IN 1906.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated).	6,988	6,993	5,576	5,740	15,527	10,890	5,379	4,885	5,030	4,992	72,000
Bakery offensive	3	1	2	1	3	1	1	1	2	1	16
Barber shops	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Cellar damp	6	2	4	3	1	4	1	2	.....	1	24
Cesspool offensive	1	1	.....	.....	.....	1	1	2	1	2	9
Cow barn offensive	2	.....	1	1	.....	2	.....	1	1	.....	8
Cows kept without license . . . . .	.....	1	1	.....	2	1	1	.....	.....	1	7
Drainage defective	9	4	8	6	7	5	4	5	6	8	62
Drainage emptying into cellar	7	3	2	4	1	3	4	2	4	6	36
Drainage emptying on surface	8	2	4	3	4	5	3	4	2	5	40
Fish offal . . . . .	.....	2	1	.....	.....	.....	.....	.....	.....	1	4
Goats kept without license	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Hens in cellar	4	1	1	2	1	2	2	.....	.....	3	16
Hennery offensive . . . . .	.....	.....	1	1	2	3	3	2	2	4	18
Hens without permit	1	3	.....	1	1	2	2	1	1	1	13
Manure exposed and offensive	3	2	.....	1	.....	1	1	.....	1	2	11
Manure pit defective	5	1	2	1	.....	1	1	.....	1	1	13
Offal on land	3	2	4	3	1	3	4	2	2	1	25
Offensive odor in and about dwellings	2	2	1	1	.....	1	.....	.....	1	1	9
Pigs kept without license	1	.....	.....	.....	.....	1	.....	.....	.....	.....	2
Premises dirty	27	11	17	16	11	13	12	11	10	14	142
Privy-vault offensive	1	.....	.....	.....	1	1	1	2	.....	.....	6
Rubbish in cellar	9	3	5	6	3	4	2	4	2	5	43
Slops thrown on surface	1	.....	1	1	.....	.....	1	.....	.....	2	6
Squirrels in chamber . . . . .	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Stable infected with glanders	15	5	6	1	4	3	3	3	2	2	44
Stable and stable premises filthy and offensive	8	4	5	2	4	6	3	2	1	4	39
Stable without drainage	5	3	4	1	3	4	2	1	1	3	27
Stagnant water on surface	2	.....	.....	2	.....	.....	.....	2	.....	.....	6
Water-closet defective	10	5	6	4	8	6	7	3	4	6	59
Water under stable	4	3	5	3	1	2	3	1	2	3	27
Total	141	61	81	64	59	75	62	51	46	77	717

Number of nuisances abated	717
Number of nuisances referred to board of 1907	13
Number of nuisances complained of	730
Number of complaints (many covering more than one nuisance)	410
Number of notices mailed	456
Number of notices served by constables	7

In addition to the above, 324 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Forty-four cases of glanders have been reported during the year. Prompt action was taken in every case, and thirty-nine of the horses were killed, five being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, goats, and hens, to collect grease, and to remove manure is as follows:—

Cows.—Forty-one applications were received for permits to keep 118 cows. Thirty-eight permits to keep 112 cows were granted, and three permits were refused.

Swine.—Eighteen applications were received for permits to keep fifty-four swine. Fifteen permits were granted to keep twenty-two swine, and three permits were refused. The fee is one dollar for each swine.

Goats.—Five applications were received for permits to keep six goats, all of which permits were granted. The fee is one dollar for each goat.

Hens.—Eighty applications for permits to keep 2,010 hens were received. Sixty-nine permits to keep 1,771 hens were granted, and eleven permits were refused.

Grease.—Fourteen applications were received for permits to collect grease, all of which were granted. The fee is two dollars. Five of the parties licensed reside in Somerville, two in Charlestown, four in Cambridge, two in Boston, and one in Chelsea.

Manure.—Two permits were issued during the year for the carting of manure through the streets of the city in the daytime between May 1 and November 1. All permits issued for the removal of manure from the stables in the city in the daytime, or for carting through the streets of the city, remain in force until revoked. No fee is charged for these permits.

Melting and Rendering.—Four parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111.

Pedlers.

One hundred and thirty-two certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 27—a decrease of twenty from the year 1905. One hundred and twenty-one certificates have been renewed during the year. Each pedler is required to present a statement from the sealer of weights and measures, showing that his measures have been properly sealed, before a certificate is issued to him. Pedlers are also required to present their vehicles at the police station the first Monday of each month for inspection by the agent of the board, that he may see if they are kept in a clean condition, and are properly marked with the owner's name and number.

Ashes and Offal.

The collection and disposal of ashes, garbage, and other refuse materials of the city is under the control of the board of health, and a competent superintendent is employed to take charge of this department.

To do this work sixty-five men are employed, and the department owns and uses thirty horses, fifteen ash carts, four paper wagons, and eleven garbage wagons.

Ashes.—The ashes and refuse material are deposited upon the city dumps at Winter Hill and West Somerville. The ashes are useful for filling, and the combustible materials have been burned as far as possible.

Owing to the fact that the smoke from these dumps had occasioned many complaints from citizens, and that the wind had at times blown the papers and lighter materials over extensive areas, the board made a request about two years ago for an appropriation sufficient to enable it to build an incinerator on land near its stables, utilizing the unused chimney of the water department works.

Recently such an appropriation has been made, and an incinerator is now being constructed. When this is completed, all the combustible refuse material can be burned, and a long-standing source of annoyance will be removed.

During the year 40,000 loads of ashes and 3,000 loads of refuse material have been collected and disposed of.

Collections are made weekly, and the districts and days of collection are as follows:—

MONDAY, DISTRICT NO. 1.

Comprises the entire area extending easterly to the cities of Boston and Cambridge, from a line drawn across Somerville, commencing on Mystic avenue, and extending through Cross street, Central square, Medford street, Washington street, Prospect street, Webster avenue, Tremont street to the Cambridge line, and including collection on both sides of the above-named streets along the division line described.

TUESDAY, DISTRICT NO. 2.

Comprises the entire area extending westerly from the previously-described district number 1 to a line drawn across the city, commencing on Mystic avenue, and extending through Wheatland street, across Broadway, through Walnut street, and extending across Bow street and Somerville avenue, through Hawkins street, Washington street, Perry street, Wyatt street, Concord avenue, crossing Beacon street to the Cambridge line, and including collection on both sides of the above-named streets along the division line described.

WEDNESDAY, DISTRICT NO. 3.

Comprises the entire area extending westerly from the previously-described district number 2, to a line drawn across the city, commencing at the Medford boundary line at Main street, and extending easterly along said Main street, across Broadway, through Sycamore street, thence easterly on Highland avenue, through School street, thence westerly on Somerville avenue, through Dane street and Washington street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

THURSDAY, DISTRICT NO. 4.

Comprises the entire area extending westerly from the previously-described district number 3, to a line drawn across the city, commencing at the Medford line at Magoun square, and extending on Medford street to Lowell street, thence easterly on Somerville avenue and through Park street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

FRIDAY, DISTRICT NO. 5.

Comprises the entire area extending westerly from the previously-described district number 4, to a line drawn across the city, commencing on Broadway, and extending through Willow avenue to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

SATURDAY, DISTRICT NO. 6.

Comprises the entire area extending westerly from Willow avenue to the Medford, Arlington, and Cambridge lines.

RULES AND REGULATIONS FOR COLLECTION OF ASHES
AND OFFAL.

Ashes must be put in suitable receptacles not larger than an ordinary flour barrel, and must be kept free from all other refuse matter.

House offal or garbage must be kept free from all other refuse matter, and in suitable vessels.

All other refuse, such as paper, rags, excelsior, straw, mattresses, old clothes, pasteboard boxes, carpets, etc., must be kept free from ashes and garbage, and placed in suitable packages or barrels to prevent being scattered in handling.

All ashes and refuse matter for removal must be placed on the outer edge of the sidewalk, on or before seven o'clock in the morning of the day when the collection is to be made.

Earth, gravel, bricks, mortar, stones, lime, plaster, cement, concrete, or refuse material from repairs or construction of buildings will not be removed by this department.

The department will remove tree trimmings, vine cuttings, and yard cleanings during the spring and summer months.

Employees of this department are not allowed to enter cellars, cellar-ways, bulkheads, or areas for the removal of ashes or offal.

Offal.—During the year the board has continued to dispose of the city offal at its garbage plant adjacent to the city stables. This offal is sold directly to farmers and others, and is handled in a thoroughly sanitary and satisfactory manner. The demand for garbage has exceeded the supply, and in its disposal there has been an entire absence of objectionable features. A new driveway to the plant has been constructed, and several important alterations and improvements have been made, which have rendered it entirely practicable and satisfactory.

During the year 6,756 loads of offal have been collected, averaging seven cords daily.

Two collections are made in each district weekly, and during the summer months an extra collection is made at hotels, stores, and other establishments producing large quantities of offal.

Stables.

Under the provisions of sections 69 and 70 of the revised laws of 1902, thirty-one petitions for licenses to erect and use stables were received and disposed of as follows:—

Number granted	.	.	.	.	.	.	.	19
Number refused	.	.	.	.	.	.	.	12

Board of Infants.

Ten parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for twenty children, in this city, under the provisions of chapter 83 of the revised laws of 1902.

Deaths.

There were 1,004 deaths and seventy-seven stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of thirty-six:—

Deaths at Somerville hospital during the year	.	69
Deaths at Cherry-street hospital	.	3
Deaths at hospital for contagious diseases	.	6
Deaths at home for aged poor (Highland avenue),	60	
Deaths at City home	.	3

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	183	111	72
One to two	48	21	27
Two to three.	17	14	3
Three to four	17	11	6
Four to five	7	3	4
Five to ten	20	7	13
Ten to fifteen	14	9	5
Fifteen to twenty	11	4	7
Twenty to thirty	60	24	36
Thirty to forty	77	28	49
Forty to fifty	74	39	35
Fifty to sixty	103	54	49
Sixty to seventy	154	69	85
Seventy to eighty	125	54	71
Eighty to ninety	83	31	52
Ninety and over	11	2	9
Total	1,004	481	523

Of the stillborn, 45 were males and 32 females.

Mortality in Somerville in 1906.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. GENERAL DISEASES.													
<i>(A. Epidemic Diseases.)</i>													
Whooping cough					1	2	1	4	2	1			11
Scarlet fever				1									1
Diphtheria		2	2	5	2					2	1	1	15
Typhoid fever		1	1	3		2		1	1	2			11
Erysipelas		1		1									2
Cholera morbus								1	1				2
Dysentery			1			1	1						3
La grippe					1								1
Measles				1	1								2
<i>(B. Other General Diseases.)</i>													
Septicæmia	1				1	1					1		4
Rheumatism			1	1				1	1	1	1	1	7
Pernicious Anæmia						1		2		1		2	6
Cancer of anus								1			2		3
Cancer of bladder							1						1
Cancer of breast	2	1		4	1	1			2	1	2	1	16
Cancer of face	1			1	1		1		1				5
Cancer intestines	1			1	1		1	2		1	1	2	10
Cancer liver	1	1	1	1		1	1	1			1	1	9
Cancer spinal cord										1			1
Cancer of stomach		2	1		2	1	6	1	1	1			15
Cancer of throat					1					1			2
Cancer of uterus		1	1	1		2	2	2			1	1	11
Cancer of vulva		1		1									2
Tumor	1		2	1			2		2			1	9
Leukæmia							1						1
Diabetes	2		1	1	2	1	2		4		1		14
Scorbutus												1	1
Tuberculosis	7	7	11	6	12	8	6	9	9	7	4	9	95
Tubercular meningitis	2		1	1		2	1	1	1	3		1	13
Exophthalmic goiter							1						1
II. DISEASES OF THE NERVOUS SYSTEM.													
Chorea									1				1
Meningitis			3	2	3	2	1	2		1		1	15
Apoplexy	9	9	5	1	1	4	1	7	5	2	8	3	55
Paralysis	1	1	1		2			1	2	3		2	13
Brain diseases	1		1									1	3
Convulsions				1		1	1	1	1		1		6
Neuritis												1	1
Spinal disease				1									1
Hemiplegia			1	1	1	1	1			3	1	1	10
Epilepsy					1			1				1	3
Myelitis				1		1		1					3
Eclampsia					1				1		1		3
Paresis				1	1							1	3
Tetanus									1				1
III. DISEASES OF THE CIRCULATORY SYSTEM.													
Heart disease	3	5	2	6	1	6	5	1	4	6	4	2	45
Endocarditis	1	2	2	1		1		1	1	1	1	2	15
Myocarditis	1	1		2	2		2			1	1	1	11
Pericarditis					1	1				1	1	1	5
Angina pectoris		2		1							1	1	5
Cyanosis		1							1				2
IV. DISEASES OF THE RESPIRATORY SYSTEM.													
Pneumonia	14	17	14	20	8	7	4	2	11	7	9	20	133
Bronchitis	2	2	3	2	2	1		3	3	6	3	3	30
Hemorrhage						1					1		2
Asthma	2		1	1					1	1	2		8
Pulmonary œdema	1				1			1			1	1	5
Emphysema				1									1
Pleurisy										1			1

MORTALITY IN SOMERVILLE IN 1906. — Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Acute indigestion			1			1		2	1	3	2		10
Colitis			1		1		2	4	6	1	1		16
Gastritis	1		1						2	1		1	10
Peritonitis	1			1			1	1	1		2		8
Diarrhoea								1		2			3
Cholera infantum							4	7	5	2			18
Rupture of intestines											1		1
Ptomaine poisoning									1				1
Gastric ulcer	1	1	1	1			1		1	1		1	8
Enteritis	1		1	1	1	1	3	5	4	6	1	1	25
Hernia			1	1		1					2	1	6
Intestinal obstruction			1		1	1			1	1			5
Appendicitis	1						1	1					3
Cirrhosis liver		1	1		1						1		4
Jaundice				1									1
Hepatitis	1				1								2
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease		1	1	2	2		1		2		2	1	12
Cystitis	1	1							1	2	1	1	7
Nephritis	6	4	11	4	2	5	2	7	6	4	9	6	66
Pyelitis										1			1
VII. CHILDBIRTH.													
Childbirth	1	1	1	1	1	2					1	1	9
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.													
Abscess						1	1						2
Carbuncle												1	1
Eczema										1	1		2
Gangrene	1		1	1									3
Ulcer						2							2
IX. MALFORMATIONS.													
Hydrocephalus	1	1	1							1			4
Malformation		1							1				2
X. EARLY INFANCY.													
Marasmus									2	2			4
Inanition	3	1	2						4	1			11
Asphyxia neonatorum					1					1			2
Premature birth and congenital debility	4	5	1	2	5	3	2	2	3	6	2	1	36
XI. OLD AGE.													
Old age	2		1		5	1		3	1	2	4	1	20
Senile dementia	2	1	1			2	1	1	1	2		1	12
XII. VIOLENCE.													
Alcoholism												1	1
Drowning							1						1
Railroad	1		1	2					1		3		8
Suicide											1		1
Burning			2		1		1						4
Poisoning			1									1	2
Fracture of hip				1								1	2
Fracture of ribs and rupture liver										1			1
Fracture of skull	1							1					2
Fracture of spine				1				1					2
Fracture of thigh	1			1				1					3
Gas poisoning	1												1
Concussion of brain										1			1
Bullet wound							1						1
Overlying	1									1			2
Total	85	75	88	95	75	69	65	84	101	98	85	84	100
Stillborn	7	6	1	3	7	4	5	11	7	11	7	8	774

Population (estimated) 72,000

Death rate per thousand 13.9

Social Relations of Decedents.

Married	327
Single	418
Widow	181
Widower	75
Divorced	3
Total	1,004

Nativity of Decedents.

Somerville	270
Massachusetts	231
Other New England states	130
Other states	35
Canada	107
England, Scotland, and Wales	33
Ireland	154
Italy	11
Norway and Sweden	7
Russia	2
Other countries	21
Unknown	3
Total	1,004

Nativity of Parents of Decedents.

	Father.	Mother.
Somerville	26	25
Massachusetts	190	195
Other New England states	154	131
Other states	24	28
Canada and provinces	125	138
England, Scotland, and Wales	64	55
Ireland	282	283
Italy	26	25
Norway and Sweden	13	12
Russia	9	8
Other countries	37	31
Unknown	54	73
Total	1,004	1,004

Of the parents of the stillborn, 38 fathers and 36 mothers were natives of the United States, and 39 fathers and 41 mothers were of foreign birth.

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as small-pox, scarlet fever, diphtheria, membranous croup, typhus fever, typhoid fever, chicken-pox, pulmonary tuberculosis, cerebro-spinal meningitis, and cholera are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases and all cases of measles coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient re-

sides, and the librarian of the public library are notified, and state board of health.

Scarlet Fever.—One hundred fifty-four cases of scarlet fever have been reported during the year, one of which resulted fatally. In 1905 there were one hundred thirty-seven cases, four of which resulted fatally.

Diphtheria.—Two hundred and thirty-six cases of diphtheria have been reported during the year, fifteen of which were fatal. In 1905 there were one hundred and ninety-nine cases, seventeen of which proved fatal. Anti-toxin has been provided by the state board of health, and placed by this board in central locations for use by physicians in cases where people are unable to purchase the same. Culture tubes for diphtheria and sputum bottles for suspected tuberculosis have been obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the formaldehyde gas regenerator, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Tuberculosis.—Fifty-eight cases of tuberculosis have been reported during the year. There were ninety-five deaths from this disease.

Typhoid Fever.—Ninety-three cases of typhoid fever have been reported during the year, eleven of which have proved fatal. In 1905 there were fifty-two cases reported, nine of which were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera have been reported the past year.

Smallpox.—One case of smallpox has been reported during the year.

Number of cases of scarlet fever and diphtheria for which houses were placarded	390
Number of premises disinfected by agent	667

Disinfection.

It will be seen by the foregoing figures that, in addition to the 390 premises infected with scarlet fever or diphtheria, 277 other premises were disinfected. Thirty-seven disinfections were made at the request of attending physicians whose patients had been ill with typhoid fever or cancer. One hundred and thirty-five schoolrooms were disinfected for scarlet fever or diphtheria, and 105 premises for tuberculosis, in compliance with the regulations passed by this board.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1906 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

Scarlet Fever, Diphtheria, and Typhoid Fever Reported in 1906.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . .	26	....	....	21	....	....	....	....	....
February . . .	23	....	....	21	2	9.8	2	1	50.0
March . . .	23	....	....	19	2	10.5	1	1	100.0
April . . .	9	1	11.1	38	5	13.2	7	3	42.8
May . . .	13	....	....	17	2	11.8	2	....	....
June . . .	9	....	....	5	....	....	2	2	100.0
July . . .	8	....	....	6	....	....	5	....	....
August . . .	4	....	....	10	....	....	18	1	5.5
September . . .	5	....	....	11	....	....	28	1	3.6
October . . .	14	....	....	34	2	5.9	25	2	8.0
November . . .	9	....	....	31	1	3.2	3	....	....
December . . .	11	....	....	23	1	4.3	2	....	....
Total . . .	154	1	.64	236	15	6.3	95	11	11.6

Deaths from Scarlet Fever, Diphtheria, and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.
January . .	..	..	..	..	..	4	..	..	..	..	..	2	1	7	10	4	1	3	3	..	..	..	2	1	..	1	..	..	..	..
February . .	..	..	..	1	4	1	2	1	1	..	..	..	2	1	4	..	2	3	2	2	..	..	2	1	1	1	..	..	1	..
March . . .	2	..	..	..	1	..	..	1	1	..	4	..	..	5	2	..	3	..	2	..	1	2	..	1	..	1	1	..	..	..
April . . .	2	..	..	2	..	..	..	..	..	1	5	1	..	2	..	1	..	1	1	5	..	1	2	..	..	1	1	..	1	3
May . . .	..	..	..	..	..	..	..	..	..	..	7	1	1	5	3	2	2	3	1	2	1	1	1	..	..	1	1	..	..	..
June . . .	..	..	..	..	..	1	..	1	1	..	1	..	..	3	1	..	1	1	1	..	2	1	1	..	..	1	1	2	2	..
July . . .	2	..	..	..	..	..	..	..	..	..	1	..	..	4	..	1	..	1	..	..	2	..	1	..	1	1	1	1	1	..
August . .	..	..	..	..	..	..	..	..	1	..	3	3	..	..	2	1	2	1	..	..	2	1	2	1	1	..	2	..	1	..
September .	..	..	..	..	..	..	..	..	..	..	7	..	..	9	1	..	2	..	1	..	2	2	2	1	3	1	2	..	..	..
October . .	..	..	1	..	..	..	..	..	..	..	5	..	1	6	3	2	2	..	2	2	2	1	1	3	1	1	2	..	1	2
November .	..	..	2	..	1	..	..	..	..	..	8	2	1	3	2	3	2	2	..	..	1	1	3	2	..	3	3	..	..	..
December .	..	3	1	..	1	3	1	..	..	..	1	1	5	4	1	5	2	2	3	1	..	1	3	..	3	1	1	1	..	..
Total . .	6	0	3	7	5	3	10	3	4	1	44	10	11	49	29	19	19	14	17	15	11	11	15	9	12	6	10	11	9	11

Hospital for Contagious Diseases.

The Russell estate at the corner of Broadway and North street, West Somerville, was purchased by the city in 1901 for the purpose of establishing a contagious hospital, and in 1905 the money was appropriated to remodel the old building and build necessary additions. The work was completed early this year, and the hospital was opened for patients March 18.

Miss Nellie J. Van Cor, for several years night superintendent of the contagious department of the Boston city hospital, was secured as matron, and under her efficient direction the hospital has been fitted up and the details of management and nursing have been systematized and successfully carried out.

The experimental stage of the hospital has passed, and the enterprise has proved a most gratifying success. During the early months of the year there were a great many difficulties to overcome, owing to lack of equipment and appropriation, but as the year has advanced needed improvements and alterations have been made and difficult problems have been solved. There yet remains much to be done, and the success of the past months seems to warrant further additions and improvements.

When the hospital was opened twenty patients could be accommodated. Later in the year two large rooms, which were at first left unfinished, were completed and fitted up, so that the present capacity is forty patients. The first floor is used for diphtheria patients, and scarlet fever cases are treated on the second floor. It is a significant tribute to the ability of the matron and her assistants that no secondary infections or recurrences have taken place since the hospital was opened.

Undoubtedly this institution has been a potent factor in preventing the development and spread of contagious diseases in the city. Many patients have been treated who could not have been properly isolated or cared for at home. With additional accommodations and equipment, the hospital will prove to be one of the most valuable additions to the institutions of the city.

The statistical report of the hospital is as follows:—

Patients Treated at the Contagious Hospital.

DISEASE.	Admission by Months.										Total admitted	Cured	Died	Remaining January 1, 1907.
	March	April	May	June	July	August	September	October	November	December				
Scarlet fever . . .		3	13	1	5	5	9	5	5	1	47	43	1	3
Diphtheria . . .		12	2	1	2	2	2	10	11	2	44	39	5	..
Erysipelas	1	..	1	..	..	..	..	..	2	2	..	..
Totals		15	16	2	8	7	11	15	16	3	93	84	6	3

The mortality rate was 6.45 per cent. Of the six patients who died, two were moribund when admitted, two had the most septic form of diphtheria, one had diphtheria complicated by scarlet fever and nephritis, and the other died of nephritis complicating scarlet fever.

Medical Inspection of Schools.

The board of health has for several years endeavored to obtain an appropriation to enable it to institute a system of medical inspection in the schools of the city. At the beginning of the present year the usual request for an appropriation of \$1,500 was made, but owing to the fact that state legislation on the matter was pending, the request was laid on the table.

In June a law was passed making it mandatory upon cities and towns to provide a system of medical inspection in the schools, and in November the sum of \$125 was appropriated by the board of aldermen for the purpose of instituting such a system in this city.

The board of health, with an advisory committee of the school committee, arranged a system of inspection which was put in operation in the public schools early in December. Inspectors were appointed, circulars describing the system were sent to parents and physicians, and a mass meeting of teachers was held at which the plan was described in detail.

Briefly stated, the plan is as follows:—

The inspector visits each of the schools under his care in the morning of every school day, and examines all children who are referred to him by the principal or teacher. Those who are too ill to remain in school are sent home with blanks properly filled out, and duplicate records are kept by the principal. The inspector makes periodical inspections of the school buildings and premises, and reports any defects. Once each year all the chil-

dren are examined for physical defects, and abnormal conditions are reported to parents. In these ways the inspectors act as agents of the board of health, and they make monthly reports of their work to the board.

The districts and inspectors are as follows:—

District No. 1.—Prescott, Hanscom, Davis, and Edgerly schools; Dr. Francis Shaw, 57 Cross street.

District No. 2.—Baxter, Knapp, Perry, and Bell schools; Dr. M. W. White, 42 Bow street.

District No. 3.—Bennett, Pope, Cummings, and Proctor schools; Dr. L. H. Raymond, 30 Bow street.

District No. 4.—Morse, Carr, Durell, and Burns schools; Dr. W. L. Bond, 322 Highland avenue.

District No. 5.—Brown, Bingham, and Forster schools; Dr. W. D. Ruston, 1 Pearson road.

District No. 6.—Lincoln, Hodgkins, Highland, and Lowe schools; Dr. H. Cholerton, 396 Highland avenue.

District No. 7.—Glines, English high, and Latin high schools; Dr. R. F. Gibson, 108 Highland avenue.

The reports of the inspectors for the month during which they have been acting indicate the value of the system. The number of children examined was 810, of which 151 were sent home. Many cases of pediculosis were discovered, and children suffering with diphtheria, chicken pox, whooping cough, and other contagious diseases were excluded from school attendance.

The system is now in good working order, and will undoubtedly result in great benefit to the children of the city. It is a long step in the direction of preventing disease, and cannot fail to limit the development and spread of contagious affections.

Bacteriological Department.

The work of this department was performed by Frank L. Morse, M. D., medical inspector of the board, whose report is appended to this report:—

Specimens will be received at the laboratory at the city hall daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception.

SPECIMENS AND ANTI-TOXIN.

Outfits for specimens for tuberculosis, diphtheria, typhoid fever and malaria, and diphtheria anti-toxin and vaccine lymph may be obtained at the laboratory and at the following places:—

Claude Curtis, 154 Perkins street.

Will B. Fitts, 173 Washington street.

Milton H. Plummer, 25 Union square.

Fred W. Gay, 524 Somerville avenue.

Hart Brothers, 263 Highland avenue.

Percy A. Hall, 2 Studio building, Davis square.

Herbert E. Bowman, 529 Medford street, Magoun square.

Eugene B. Carpenter, 10 Broadway.

Julius E. Richardson, 310 Broadway.

Paul S. Eaton, 693 Broadway.

Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken or sent directly to the laboratory at the city hall.

Districts.

A map showing the health districts was printed with the annual reports for 1904 and previous years. This division of districts was made by the board of health of 1878, and has since remained unchanged.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases, and the number of nuisances abated in these several districts, and is continued in the following tables, and in the table near the beginning of this report.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

The number of dwellings and of assessed polls May 1, 1906, has been obtained from the assessors' books.

Table of Deaths in Each District During the Last Ten Years.

Districts	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.	
	Area	337 A.	107 A.	93 A.	171 A.	361 A.	285 A.	194 A.	482 A.	174 A.	456 A.	2,660 A.										
In 1906.	Population	6,988	6,903	5,576	5,740	15,527	10,890	5,379	4,885	5,030	4,992	72,000										
	Dwellings	1,076	1,047	785	896	2,548	1,748	886	895	849	955	11,685										
	Average in each dwelling	6.5	6.7	7.1	6.4	6.1	6.2	6.1	5.5	5.9	5.2	6.2										
YEAR.	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Number of Deaths.	
	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	
1897	158	22	80	15	80	16	88	17	170	15	93	15	68	12	40	14	29	8	53	18	859	15
1898	161	23	67	13	79	16	88	17	194	18	92	15	93	14	28	9	50	12	28	9	880	15
1899	102	14	68	13	81	16	113	19	155	14	87	14	87	12	34	11	46	11	28	9	801	13
1900	134	17	92	15	87	16	115	19	229	20	82	13	82	11	41	12	54	12	51	15	967	16
1901	133	17	74	12	70	13	67	11	178	15	65	10	66	9	47	14	58	11	73	20	831	13
1902	140	18	80	13	75	14	73	12	184	18	70	10	71	10	53	15	63	12	81	20	890	13
1903	158	20	79	13	76	14	89	14	151	12	96	14	90	12	64	17	65	12	87	18	955	14
1904	175	21	58	9	85	15	79	10	165	15	131	18	89	11	46	11	52	10	84	15	964	14
1905	169	24	61	9	78	15	91	17	158	11	111	10	90	17	51	11	68	14	91	19	968	14
1906	171	24	57	8	100	16	72	12	181	12	121	11	107	19	57	11	49	10	89	18	1004	14
Average death rate per 1,000 for } ten years	20	12	15	15	15	15	15	15	15	15	13	13	13	13	13	11	11	16	16	14	14	

Table Showing the Five Principal Causes of Death in Somerville in 1906, with the Number and Rate in Each District.

DISTRICTS.	PNEUMONIA.		TUBERCULOSIS.		HEART DISEASE.		NEPHRITIS.		CANCER.	
	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
I.	24	34.3	19	27.2	12	17.2	11	15.7	12	17.2
II.	6	8.8	7	10.0	6	8.8	5	7.1	4	5.7
III.	17	30.5	8	14.4	8	14.4	6	10.8	10	17.9
IV.	6	10.5	11	19.2	6	10.5	9	15.7	2	3.5
V.	24	15.4	11	7.1	10	6.4	9	5.8	9	5.8
VI.	16	14.7	11	1.0	7	6.4	8	7.3	11	1.0
VII.	16	29.8	10	18.6	12	22.3	10	18.6	12	22.3
VIII.	7	14.4	5	10.2	6	12.3	7	14.4	5	10.2
IX.	7	13.9	6	11.9	6	11.9	7	13.9	5	9.9
X.	10	20.1	7	14.0	10	20.1	6	12.0	5	10.0
Total	133	18.5	95	13.2	83	11.5	78	10.8	75	10.4

Table of Scarlet Fever, Diphtheria, and Typhoid Fever in Each District in 1906.

DISTRICTS.	SCARLET FEVER.				DIPHTHERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.
I.	31	..	4.43	....	40	2	5.72	0.21	20	1	2.86	0.11
II.	12	..	1.72	....	14	..	1.10	....	6	..	8.75	....
III.	18	..	3.22	....	43	3	7.71	0.54	5	2	0.89	0.36
IV.	9	..	1.57	....	34	1	5.92	0.17	6	..	1.05	....
V.	15	..	0.97	....	22	1	1.42	0.06	12	4	0.77	0.26
VI.	23	..	2.11	....	34	1	3.12	0.09	12	2	1.10	0.19
VII.	15	..	2.79	..	14	1	2.61	0.18	6	1	1.12	0.18
VIII.	11	..	2.25	....	9	..	1.84	....	13	..	2.66	....
IX.	6	..	1.19	....	11	..	2.19	....	5	..	0.99	....
X.	14	1	2.71	0.20	15	6	3.00	1.20	8	1	1.60	0.20
Total	154	1	2.14	0.01	236	15	3.28	0.21	93	11	1.29	0.15

Rates Per Thousand of Population of Cases of Scarlet Fever, Diphtheria, and Typhoid Fever Reported and of Deaths from the Same, in the Last Seven Years.

Districts.	1900.			1901.			1902.			1903.			1904.			1905.			1906.			Average for Seven Yrs.			
	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	
I.	{ Cases	4.69	11.98	1.17	1.29	9.46	1.17	1.92	1.79	0.51	2.12	4.60	0.37	1.32	9.21	2.63	2.92	3.65	0.88	4.43	5.72	2.86	2.67	6.63	1.29
	{ Deaths	0.13	1.30	....	0.26	0.78	....	0.13	0.64	0.13	0.12	0.50	0.12	....	0.48	0.24	0.15	0.15	0.29	....	0.21	0.11	0.11	0.58	0.13
II.	{ Cases	1.81	7.09	0.99	0.98	4.59	0.98	1.32	2.13	0.32	1.60	3.36	0.48	2.18	5.60	1.24	2.44	1.29	0.58	1.72	1.10	8.75	1.72	3.59	1.91
	{ Deaths . . . . .	....	0.16	....	....	0.33	0.16	....	....	....	0.16	0.16	0.16	0.31	0.11	0.31	0.14	0.43	....	....	....	....	0.09	0.17	0.09
III.	{ Cases	3.66	10.22	2.12	2.29	5.16	0.96	2.13	2.61	0.19	2.56	4.94	0.18	0.89	7.41	2.29	0.94	5.83	1.13	3.22	7.71	0.89	2.24	6.27	1.11
	{ Deaths	0.19	1.35	....	0.19	1.34	0.59	....	....	....	0.18	0.36	....	....	0.53	0.18	....	0.19	0.19	....	0.54	0.36	0.08	0.61	0.16
IV.	{ Cases	4.75	15.88	2.13	2.28	7.34	0.82	1.28	2.56	0.81	3.12	3.90	0.31	1.51	4.98	0.61	3.45	5.97	0.36	1.57	5.92	1.05	2.57	6.65	0.87
	{ Deaths	0.49	1.15	....	....	0.33	....	....	0.16	0.16	0.16	0.78	0.16	....	....	....	0.18	0.18	0.18	....	0.17	....	0.12	0.39	0.07
V.	{ Cases	4.13	5.08	0.95	1.37	4.26	0.86	0.59	4.11	0.54	1.39	1.97	0.74	0.73	2.02	1.78	0.98	1.11	0.38	0.97	1.42	0.77	1.45	2.85	0.86
	{ Deaths . . . . .	....	0.69	0.43	....	0.09	0.26	....	0.17	0.09	0.16	0.33	0.16	....	0.08	0.25	....	0.19	0.07	....	0.06	0.26	0.92	0.23	0.22
VI.	{ Cases	2.55	8.99	0.89	2.83	3.29	1.94	1.74	6.41	1.02	2.30	3.02	0.43	2.11	9.54	0.71	1.67	2.79	1.31	2.11	3.12	1.10	2.19	5.31	1.06
	{ Deaths . . . . .	....	0.59	0.15	....	0.29	0.45	0.29	0.87	0.29	0.29	....	....	....	0.14	....	....	0.29	0.09	....	0.09	0.19	0.08	0.32	0.17
VII.	{ Cases	2.73	4.78	0.96	1.35	2.69	0.68	0.59	3.02	0.13	1.30	2.47	1.04	2.16	3.43	0.51	3.56	2.18	0.59	2.79	2.61	1.12	2.07	3.03	0.72
	{ Deaths	0.27	0.27	0.14	....	0.14	0.14	....	0.26	....	....	0.13	0.52	....	0.38	0.13	....	0.19	....	....	0.18	0.18	0.04	0.22	0.16
VIII.	{ Cases	4.53	6.99	0.60	2.19	7.97	0.88	2.56	3.84	0.29	2.91	2.11	0.53	1.98	3.47	0.49	2.14	4.07	....	2.25	1.84	2.66	2.66	4.33	0.73
	{ Deaths . . . . .	....	0.30	0.30	....	0.59	0.29	....	0.29	....	0.26	....	....	....	....	....	....	....	....	....	....	....	0.04	0.19	0.09
IX.	{ Cases	3.71	6.81	1.09	2.81	4.04	2.63	0.78	2.71	....	2.97	2.23	0.37	1.43	3.39	0.8	1.24	1.04	0.41	1.19	2.19	0.99	2.02	3.21	0.91
	{ Deaths . . . . .	....	0.22	0.22	....	....	....	....	0.19	....	....	....	....	....	....	0.36	....	0.21	....	....	....	....	....	0.09	0.09
X.	{ Cases	5.45	7.75	0.58	5.57	8.07	2.51	1.72	5.41	0.25	3.08	2.87	1.03	4.01	5.56	2.04	1.96	2.84	1.96	2.71	3.00	1.60	3.50	5.07	1.42
	{ Deaths . . . . .	....	1.73	....	0.56	1.68	0.28	....	0.25	0.25	0.21	0.41	0.21	0.14	0.19	....	0.22	0.44	....	....	1.20	0.20	0.16	0.85	0.13
City	{ Cases	3.73	8.39	1.16	2.07	5.39	1.24	1.20	3.45	0.43	2.18	3.11	0.57	1.71	5.34	1.39	1.96	2.84	0.74	2.14	3.28	1.29	2.14	4.54	0.98
	{ Deaths	0.11	0.79	0.15	0.08	0.46	0.19	0.46	0.29	0.09	0.15	0.28	0.15	0.05	0.21	0.16	0.06	0.24	0.13	0.20	0.21	0.15	0.16	0.35	0.15

Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, twenty persons have been duly licensed as undertakers.

Examiners of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of a chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

Financial Statement.**HEALTH DEPARTMENT.**

CREDIT.	
Appropriation	\$6,400 00
Receipts:—	
Milk fees	121 22
Permit fees	63 00
William A. Campbell, care of Laura Campbell	120 00
Sale of horse	64 40
	<hr/>
Total credit	\$6,768 62
DEBIT.	
Expenditures:—	
Salaries	\$4,300 00
Ambulance	175 00
Mattress for ambulance	5 50
Blanket for ambulance	5 00
Buggy	100 00
One bay horse	235 00
Horseshoeing	20 90
Harness, repairing same and horse clothing	72 85
Board of agent's horse	244 32
Use of horse	60 00
Repairing and painting vehicles	57 20
Repairing regenerator	24 00
Burying dead animals	162 00
Bacteriological laboratory	10 62
Telephones	114 18
Office expenses of milk inspector	42 40
Books, printing, stationery, advertising, and postage	159 10
Building ambulance shed	100 66
Care of contagious diseases (settlements of patients being in this city)	3,840 42
Incidentals	214 89
	<hr/>
Total debit	\$9,944 04
	<hr/>
Amount overdrawn	3,175 42

Health Department, Collection of Ashes and Offal.

CREDIT.	
Appropriation	\$36,600 00
Receipts:—	
Sale of three horses	190 00
Sale of sleigh	5 00
Sale of manure	20 00
Sale of offal	6,907 67
Total credit	<u>\$43,722 67</u>
DEBIT.	
Expenditures:—	
Salary of superintendent	\$1,200 00
Collection of ashes	19,364 75
Collection of offal	15,379 63
New carts (two)	236 00
One buggy	100 00
Repairs of carts	703 82
One gray and two bay horses	872 50
Horseshoeing	745 59
Horse doctoring	27 65
Horse clipping	4 00
Hay and grain	4,673 89
New harness and repairing same	509 82
Horse blankets and covers	165 60
Board of superintendent's horse	257 05
Stable expenses	2,032 00
Tools and repairing same	85 20
Proportional part of cost, constructing road from Cedar street to city stables,	1,005 46
Paving at garbage plant with Hassam pavement	717 45
Incidentals	233 32
Total debit	<u>\$48,363 73</u>
Amount overdrawn	<u>4,641 06</u>

Health Department, Hospital for Contagious Diseases.

CREDIT.	
Appropriation	\$6,000 00
Receipts:—	
Sundry cities and persons, for care of patients	5,116 29
Total credit	<u>\$11,116 29</u>
DEBIT.	
Expenditures:—	
Salary of matron	\$516 07
Salary of assistant matron	140 00
Salary of Dr. Frank L. Morse (three months)	50 00
Amount carried forward	<u>\$706 07</u>

Amount brought forward	\$706 07	
Nurses' services	972 98	
Cook's services	243 89	
Janitor's services	392 16	
Laundress' services	135 23	
Seamstress' services	10 00	
Housework	54 00	
Supplies	727 62	
Groceries and provisions	963 44	
Concreting	283 75	
Fire extinguishers	84 00	
Furniture	45 00	
Carpet	58 35	
Paint and labor	66 21	
Ambulance	500 00	
Incidentals	481 04	
		<hr/>
Total debit		\$5,723 74
		<hr/>
Balance unexpended		\$5,392 55

Health Department, Medical Inspection in the Public Schools.

CREDIT.

Appropriation for one month	\$125 00
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DEBIT.

Expenditures:—

Salary paid seven physicians (one month) for medical inspection	\$116 69
	<hr/>
Balance unexpended	\$8 31

Appropriations Overdrawn.

Health Department	\$3,175 42	
Health Department, collection of ashes and offal	4,641 06	
	<hr/>	
Total amount overdrawn		\$7,816 48

Appropriations Unexpended.

Health Department, hospital for contagious diseases	\$5,392 55	
Health Department, medical inspection in the public schools	8 31	
	<hr/>	
Total credits		\$5,400 86
		<hr/>
Net amount overdrawn		\$2,415 62

ALLEN F. CARPENTER, Chairman,
 EDMUND S. SPARROW,
 WESLEY T. LEE, M. D.,
 Board of Health.

REPORT OF BACTERIOLOGIST.

Somerville, January 10, 1907.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present the report of the bacteriologist for the year 1906.

During the latter part of December, 1902, in accordance with your vote, a laboratory was established at the city hall, and regular bacteriological examinations were commenced upon January 1, 1903, which have been continued during the past year.

During the year 1906 968 examinations were made of cultures for the diphtheria organism, 175 examinations made of sputum from patients suspected of having tuberculosis, and ninety-four examinations to detect the Widal reaction in typhoid fever.

With the beginning of 1903 your board established regulations, which required, in cases of diphtheria, that no patient should be released from quarantine until two consecutive negative cultures had been obtained from the patient, one by the attending physician and one by a physician representing the board, thus making the work more extensive than had been previously required.

On May 1, 1905, in response to a request from the Somerville Medical Society, representing the physicians of the city, the taking of the first release culture was made optional with the attending physician, and if so requested, the physician representing the board took all of the release cultures. In addition, it was also voted that all patients ill with scarlet fever should be examined by a physician designated by the board, before releasing the family from quarantine, and the bacteriologist was instructed to perform both of these duties, and was made an agent of the board of health. Since this time 432 visits have been made for the purpose of taking release cultures in cases of diphtheria, and 217 visits to examine patients convalescent from scarlet fever, it being necessary to inspect sixty-one patients ill with the latter disease a second and sometimes a third time before releasing them from quarantine, on account of the process of desquamation still being present.

Culture stations were also established at four different parts of the city, which were later increased to eleven in number, to more generally accommodate the physicians of the city, at which places, in connection with the laboratory, culture outfits, diphtheria anti-toxin, typhoid fever outfits, vaccine lymph, and sputum bottles could be obtained. To avoid delay in the exam-

ination of specimens, it was required that all specimens should be sent to the laboratory at the city hall, thus obviating any delay through the culture stations. Cultures left at the city hall as late as midnight are placed in the incubator immediately, making it possible for a result to be obtained early the next morning.

Diphtheria.—Nine hundred and sixty-eight cultures have been examined for diphtheria, 407 being in males, and 561 in females. Diphtheria being a disease of children, 282 of these examinations have been made in children under five years of age, 370 in those from five to ten years of age, 158 from ten to twenty, and 152 in adults over twenty years. In six cases the age of the patient was not stated. Four hundred and nineteen examinations were made for the diagnosis of the case, 116 proving positive, and 303 negative. Of the positive results, fifty-five were of cases in which the attending physician's diagnosis of diphtheria was confirmed, fourteen in which the clinical diagnosis was not diphtheria, and forty-seven in which no definite diagnosis was made. Of the 303 negative examinations, sixty were obtained in which the clinical diagnosis was diphtheria, 136 in which the diagnosis was not diphtheria, and 107 in which no diagnosis had been made.

Five hundred and forty-nine cultures were taken for release of patients from quarantine, eighty-five of which were positive, and 464 negative. The importance of taking release cultures is demonstrated by these figures, these patients showing the presence of the bacilli in the throat after the clinical evidence of the disease had disappeared. In six examinations there was no growth upon the serum tube.

Tuberculosis.—One hundred and seventy-five examinations have been made of sputum suspected of containing the tubercle bacillus, nine of which were positive and 166 negative. In fifty-one cases a definite diagnosis of this disease had been made by the attending physician, but in forty-four of them the organism could not be detected. In the remainder of the cases, eighty-six were stated as not showing evidence of the disease, one being positive, and in thirty-eight cases no statements were made giving information as to its character, one of which was positive. Ninety-five were males and eighty females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption to-day is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its spread. In some cases this is not done by the attending physician, and during the past three years your board has required that this disease be reported to you, as

other infectious diseases are, and that printed instructions and advice be sent to each patient ill with the disease. The decrease in the death rate of consumption, and the cure of persons afflicted with it, is due to the improved and intelligent manner with which cases are treated, and the prevention of further spread of the disease is a subject which is of importance to all local boards of health.

Typhoid Fever.—Ninety-four examinations of the blood of patients suspected of having typhoid fever have been made, twenty-four of which proved positive. In twenty-nine cases a positive diagnosis of this disease had been made by the attending physician, in eight cases it was stated not to be typhoid fever, and in the remainder no statement was made relating to the diagnosis. Of the negative results, fifteen were diagnosed as typhoid, eight were said not to be typhoid, and in forty-seven no diagnosis was made. Fifty-seven were males and thirty-seven females.

Summary for Four Years, 1903, 1904, 1905, 1906.

Diphtheria Cultures.

	No. examined	Males	Females	0-5	5-10	10-20	Over 20	Age not stated	No. growth
1903	817	387	430	282	199	125	185	26	5
1904	1,429	629	800	537	400	231	261	34	29
1905	792	346	446	204	260	139	170	19	4
1906	968	407	561	282	370	158	152	6	6

	For Diagnosis	Clinical Diagnosis Positive	Diph. Negative	Clin. Diag. Positive	not Diph. Negative	Clin. Diag. Positive	not stated Negative
1903	360	56	35	11	122	27	109
1904	406	72	37	11	96	59	131
1905	263	15	23	10	76	36	103
1906	419	55	60	14	130	47	107

For Release

	Positive	Negative
1903	95	362
1904	233	761
1905	139	386
1906	85	464

Sputum for Tuberculosis.

	No. Examined	Males	Females	Positive	Negative	Clin. Diag. Positive	Tuberculosis Negative
1903	137	66	71	26	111	15	21
1904	124	54	70	28	96	14	29
1905	162	69	93	22	140	11	38
1906	175	95	80	9	166	7	44

	Clinical	Diagnosis not	Tuberculosis	Clinical	Diagnosis not stated
	Positive	Positive	Negative	Positive	Negative
1903	9	61	2	29	
1904	11	43	3	24	
1905	5	59	6	43	
1906	1	85	1	37	

Blood for Typhoid Fever.

Blood for Typhoid Fever.					Clin. Diag. Typhoid Fever		
No. Examined		Males	Females	Positive	Negative	Positive	Negative
1903	..... 72	39	33	27	45	18	7
1904	..... 76	53	23	32	44	18	4
1905	..... 78	45	33	26	50	11	1
1906	..... 94	57	37	24	70	14	15

		Clinical Diagnosis not		Typhoid Fever		Clinical Diagnosis not stated	
		Positive	Negative	Positive	Negative	Positive	Negative
1903	.....	2	6	7	32		
1904	.....	0	6	14	34		
1905	.....	1	5	14	44		
1906	.....	0	8	10	47		

Respectfully submitted,

FRANK L. MORSE,

Bacteriologist.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

OFFICE OF THE BOARD OF HEALTH, {
City Hall, January 17, 1907. }

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith submit the report of the inspector of animals and provisions for the year 1906.

The following is a statement of the number of animals killed during the year at the six slaughtering establishments in the city: Swine, 1,210,605; sheep, 293,388; calves, 67,996; cattle, 22,121. All of the work in the four large slaughtering establishments is now done under United States government inspection, and all that the local inspector has to do with these places is to inspect the sanitary condition of the plants. This condition has been much improved during the past year, and the sanitary equipment of the various buildings is now well-nigh perfect.

Somerville is now the leading city in slaughtering east of Chicago, and is the largest quarantine station for the export of animals in the United States, the number exported last year being 121,857.

The total number of neat cattle kept in the city is 303, all of which I have inspected several times during the year.

I have examined 2,561 horses in stables where contagious diseases were reported to exist. There were thirty-nine horses killed for glanders, and five released.

I have made 2,317 visits to stores and markets, and have inspected 1,080 pedler carts from which fish, provisions, and produce were sold. There are 55 barber shops and 74 bakeries in the city, all of which I have frequently inspected. For the most part, these places are in excellent sanitary condition.

I have inspected, condemned, and caused to be destroyed 19 whole cattle, 41 livers, 91 tripes, 15 tongues, 41 whole calves, 1,163 pounds of fresh beef, 757 pounds of corned beef, 153 pounds of fresh pork, 117 pounds of salt pork, 297 pounds of mutton and lamb, 973 pounds of fowl, 3 whole swine, 312 pounds of veal, 11 dozens of eggs, 110 whole codfish, 23 pounds of salt codfish, 241 whole haddock, 216 whole pollock, 67 pounds of swordfish, 184 mackerel, 517 herring, 94 pounds of smelts, 118 pounds of halibut, 187 pounds of salmon, 21 whole lobsters, 1 gallon of oysters, 3 gallons of clams, 1 bushel of clams, 63 crates of cantaloupes, 14 watermelons, 3 crates of raspberries, 217 quarts of string beans, 3 crates of cranberries, 119 quarts of blue-

berries, 114 baskets of grapes, 6 boxes of oranges, 4 boxes of lemons, 8 bushels of apples, 123 dozens of bananas, 9 barrels of squash, 8 bushels of onions, 2 bushels of beets, 3 barrels of turnips, 5 barrels of cabbage, 1 bushel of cauliflower, 19 crates of tomatoes, 5 bushels of tomatoes, 7 crates of sweet potatoes, 3 barrels of sweet potatoes, 16 bushels of common potatoes, 11 bushels of greens, 8 dozen bunches of celery, 9 boxes of cucumbers, 3 bushels of lettuce, 6 barrels of flour, 16 barrels of cakes and crackers, 33 loaves of bread, 14 jars of cream.

I have performed numerous other duties, as required by your board.

Respectfully submitted,

DR. CHARLES M. BERRY,
Inspector.

REPORT OF INSPECTOR OF MILK AND VINEGAR.

OFFICE OF INSPECTOR OF MILK AND VINEGAR, }
310 Broadway, Somerville, Mass., January 1, 1907. }

To the Board of Health of the City of Somerville, Mass.:—

Gentlemen,—I herewith submit my report for the year ending December 31, 1906.

I have collected and analyzed 717 samples of milk. I have bought and tested twenty-four samples of vinegar. Only one sample was found to be below the standard, the others were, as a rule, above in acidity. There have been nine complaints from citizens, two for poor quality, two on condensed milk, three for bad taste in the milk, and two for suspected poisoning. One of these was a clear case of ptomaine poison, in a baby. One sample was submitted by a physician for an analysis of known quantities.

There have been issued 241 licenses; pedlers', 142; storekeepers', ninety-nine.

I have received and paid to the city treasurer for licenses \$120.50; for postage stamps, \$1.22; from the city of Medford for sample bottles and corks, \$2.35; a total of \$124.07.

The average daily consumption of milk is 25,336 quarts, and about 600 quarts of cream. Based upon our population, each person in the city daily consumes two-thirds of a pint of milk.

Our supply and quality this year has been good, some of the conditions being an improvement over last year.

The following cases were prosecuted in court:—

1 milkman, selling milk below the standard, fined . . .	\$10 00
1 storekeeper, selling milk below the standard, fined . . .	5 00
1 storekeeper, selling milk below the standard, found guilty, placed on file.	
1 storekeeper, selling milk below the standard, found guilty, fined . . .	5 00
1 storekeeper, selling milk below the standard, found guilty, fined . . .	10 00
1 storekeeper, selling milk below the standard, found guilty, fined . . .	10 00
1 storekeeper, selling milk below the standard, found guilty, fined . . .	10 00
1 storekeeper, selling milk below the standard, found guilty, fined . . .	10 00
1 storekeeper, selling milk below the standard (second offence), fined . . .	100 00
1 storekeeper, selling milk below the standard, fined . . .	1 00
Amount carried forward	\$161 00

Amount brought forward	\$161 00
1 storekeeper, selling milk below the standard, found guilty, placed on file.	
1 storekeeper, selling milk below the standard, found guilty, placed on file.	
1 milkman, selling milk below the standard (second offence), fined	100 00
1 milkman, selling milk below the standard, fined	10 00
	<hr/>
Total amount of fines imposed in the courts	\$271 00

I spent eighteen days in the Somerville police court, and one day at the superior court, East Cambridge, prosecuting the above cases.

I desire to again recommend to you that a rule be passed by your board that all milk for sale in this city shall at all times be kept at a temperature not exceeding fifty degrees; also that you make some rules for the sale, care, producing, and handling of milk in the city.

I desire to again invite any of the physicians wishing to know the amount of fats and solids of any milk their patients may be taking to submit samples at any time.

Any citizen is invited to make any just complaint at my office at any time. Such complaints will receive my immediate attention. If persons have reason to think they are not receiving a good quality of milk and samples are submitted for an analysis, please bring the milk as you receive it, without opening the bottle or can.

My office is open from 8 A. M. to 10 P. M. every day, where all complaints will be received and licenses issued.

This office needs about \$300 worth of chemical apparatus and about \$50 for the installation of a card index system for filing records.

Respectfully submitted,

JULIUS E. RICHARDSON,

Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

EDWARD B. WEST, President.

ALBERT W. EDMANDS, Vice-president.

HERBERT E. MERRILL.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME. — Mr. West,
Mr. Edmands, and Mr. Merrill.

Secretary.

CORA F. LEWIS.

General Agent.

CHARLES C. FOLSOM.

City Physician, to August 19.

ALVAH B. DEARBORN, M. D.

City Physician, August 19 to December 31.

C. CLARKE TOWLE, M. D.

Warden and Matron "City Home."

Mr. and Mrs. J. FOSTER COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

Somerville, Mass., December 31, 1906.

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

Gentlemen,—We herewith submit our annual report for the year 1906, together with the report of the general agent for miscellaneous account and of the warden for the city home, with tables attached (showing receipts and expenditures), which we think will meet with your approval.

At the city home, we would recommend that the main house be piped and connected with the heating system now in operation in the new part, so that it can be ready for use next fall, also that a hard wood floor be laid in the warden's dining-room, which is very much needed. With this work completed, the house will be in good condition for several years to come.

We wish to thank our general agent for the ability he has shown in handling the perplexing questions that have come before him the past year, and for the genial feeling he has shown the board. We also thank the secretary for the able manner in which she has performed her duties.

The warden and matron of the city home are giving good satisfaction, and we wish the good feeling that exists with the board to continue.

Yours respectfully,

EDWARD B. WEST,	} <i>Overseers</i>	
ALBERT W. EDMANDS,		} <i>of the</i>
HERBERT E. MERRILL,			Poor.

REPORT OF GENERAL AGENT.

Somerville, Mass., December 31, 1906.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—In accordance with the vote of the board, I herewith submit to you my annual report for the year 1906. There must necessarily be included in a report of this character much that has already been talked over and passed upon. As we look into the reports from the other cities and towns, we find the same theme running through them, viz., poverty, mismanagement, drunkenness, desertion on the one side, and appropriation of money, spending of time, planning, trying to help families and individuals to become self-supporting on the other. The same is true in our city to a certain extent.

Families and Individuals.

We have aided 212 families and 1,016 persons during the year, a slight falling off as compared with the previous year. We have some fifty-seven families on our books where the mother is a widow and her children range from two to eight in number and from one to sixteen in age. We have also about fifteen families that we are aiding where the mother is making a brave fight to hold her little family together and the fathers have either deserted or are locked up, serving time generally for drunkenness or assault, or both. It seems especially good charity to assist the two classes named, for it means more comfort for the mothers, who have to work hard, when they can get it, and more comfort for the children than they could possibly have if they had to depend entirely on what the mother earned. There are many families aided where sickness prevents the father or mother from earning very much, then there are families where there are old people, quite a number whose ages range between eighty and ninety years, some quite vigorous and some very feeble. We have helped very few families where there has been a well man or grown-up boy; if such a family applies for help, we invite the ones who are able, to work at the city farm for what help they receive. Usually they do not care to work, and consequently get along without receiving much aid.

Adjusting Matters.

The suit between this city and the city of Newton in the Murphy case is still pending. The case spoken of in our last

report between the town of Braintree and this city for aid rendered the Pickering family by the town of Braintree is in its infancy, as the suit was brought in December last, and will probably not be tried for some time, if ever, as Braintree has brought suit against Waltham in the same case, and is to try that first. There has been no decision yet in the Bridget Condon case with the city of Worcester, but we hope to have it tried soon. The Cooper case has been satisfactorily settled with the commonwealth.

Appropriation.

The appropriation for the miscellaneous account, \$14,000, would have been none too much for the year only for the fact that we have held up the bills for the support of the feeble-minded at Waverley since 1905, as there is some question in reference to the liability of cities and towns to pay them. The matter is now being settled in the court. Our unpaid bills for feeble-minded amount to nearly \$1,200 for 1906. By not paying these bills, we were able to assist the city home account somewhat, and still show a balance of some \$1,286.65 at the end of the year.

Prosperous Times.

During 1906 work has been plenty, wages have been good, and all who really desired work and were reliable could obtain it. There has been no year since 1885 when general prosperity was so apparent and lasted through the year as it has in the year just closed. This is one of the chief reasons why we were able to expend so small an amount during the year, and yet we have relieved all of the needy cases that have come to our attention.

Death of the City Physician.

Dr. A. B. Dearborn, who was appointed city physician by Mayor Pope in 1890, died August 19, 1906. He had held this office with slight interruption during these years, and had given general satisfaction and was highly esteemed by all with whom he came in contact. He was kind-hearted and very conscientious in the discharge of his duties. In his business relations with the poor department we always found him upright, honest, and very accommodating in his work.

New City Physician.

The mayor appointed, to fill the vacancy, Dr. C. Clarke Towle, who had been the assistant city physician for nearly two

years, and is admirably fitted to fill the place. He is methodical in keeping his accounts, prompt in making returns of visits made, kind to the poor, and we are sure that no more ideal appointment could have been made. He carried out the same plan of his predecessor in relation to medicine, buying at wholesale, and carrying a supply with him when making his visits, this being a much more economical way and quite as effective as to give prescriptions, although the local druggists find some fault.

Pleasant Relations.

Our relations with other cities and towns and with the state continue to be very pleasant, although we do not always think alike, but we try to get at the facts in all of the cases. The officials with whom we do business are as a class very reasonable, and are willing to do the right thing. As usual, we attach to this report the tables giving the work in detail. Thanking all of the members of the board for courtesies received, I am,

Yours with respect,

C. C. FOLSOM,
General Agent.

Table No. 1.

FULL SUPPORT (DURING THE YEAR).

In our city home (men 26, women 10)	36
In our city home (men 15, women 8), December 31, 1906 .	23
In private families	2
In Somerville hospital	210
In hospitals in other towns and cities for the sick . . .	60
In hospital for dipsomaniacs	4
In hospital for epileptics	7

Table No. 2.

PARTIAL SUPPORT (OUTDOOR RELIEF).

Families	212
Persons aided	1,016
Burials	7
Permits to Tewksbury almshouse	12

Table No. 3.

REIMBURSEMENTS.

Commonwealth of Massachusetts	\$1,501 40
City of Boston	1,349 48
“ “ Brockton	20 00
“ “ Cambridge	1,244 74
“ “ Chelsea	23 00
“ “ Everett	1 15
“ “ Fall River	238 25
“ “ Gloucester	52 17
“ “ Haverhill	32 50
“ “ Malden	69 79
“ “ Marlboro	11 75
“ “ Medford	69 00
“ “ Newburyport	19 50
“ “ Newton	226 80
“ “ Quincy	21 43
“ “ Salem	123 98
“ “ Springfield	60 25
“ “ Waltham	164 72
“ “ Woburn	241 12
“ “ Worcester	78 00
Town of Andover	6 25
“ “ Belmont	116 75
“ “ Blackstone	18 69
“ “ Falmouth	80 14
“ “ Leominster	52 17
“ “ Montague	25 00
“ “ Stoneham	46 87
“ “ Truro	6 00
“ “ Weston	21 75
	<hr/>
	\$5,922 65

Table No. 4.

SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).

Patients having settlement in Somerville	79
Patients having settlement in other cities and towns	47
Patients having no settlement (chargeable to state)	84
Total number of patients sent to hospital	210
Money paid hospital by the city for patients settled in Somerville	\$5,000 00
Amount reimbursed to the city and paid to the hospital for patients not settled in Somerville	2,466 63
	<hr/>
Total paid to the hospital	\$7,466 63

Table No. 5.

POPULATION AND GROSS EXPENDITURES, 1883 TO 1906, INCLUSIVE.

Year.	Population (Estimated).							Expenditures.
1883	.	.	.	27,000	.	.	.	\$15,959 80
1884	.	.	.	28,000	.	.	.	17,272 52
1885	.	.	.	*29,992	.	.	.	16,430 32
1886	.	.	.	32,000	.	.	.	14,341 83
1887	.	.	.	34,000	.	.	.	13,430 89
1888	.	.	.	36,000	.	.	.	13,375 98
1889	.	.	.	39,000	.	.	.	14,610 92
1890	.	.	.	*40,117	.	.	.	15,261 14
1891	.	.	.	43,000	.	.	.	15,980 49
1892	.	.	.	46,000	.	.	.	17,015 30
1893	.	.	.	48,000	.	.	.	17,799 58
1894	.	.	.	50,000	.	.	.	19,733 13
1895	.	.	.	*52,200	.	.	.	20,755 46
1896	.	.	.	54,000	.	.	.	21,999 79
1897	.	.	.	56,000	.	.	.	25,681 47
1898	.	.	.	57,500	.	.	.	28,522 21
1899	.	.	.	60,000	.	.	.	28,924 39
1900	.	.	.	*61,643	{ Miscellaneous, \$23,697.62 }			29,226 45
					{ City home, 5,528.83 }			
1901	.	.	.	62,500	{ Miscellaneous, \$29,171.15 }			35,793 58
					{ City home, 6,622.43 }			
1902	.	.	.	63,500	{ Miscellaneous, \$28,667.04 }			36,063 68
					{ City home, 7,396.64 }			
1903	.	.	.	65,500	{ Miscellaneous, \$30,470.20 }			38,018 59
					{ City home, 7,548.39 }			
1904	.	.	.	69,500	{ Miscellaneous, \$20,476.54 }			27,039 65
					{ City home, 6,563.11 }			
1905	.	.	.	*69,272	{ Miscellaneous, \$17,527.88 }			25,002 24
					{ City home, 7,474.36 }			
1906	.	.	.	72,000	{ Miscellaneous, \$18,237.53 }			25,044 32
					{ City home, 6,806.79 }			

*Census.

Table No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1906.

1906.	Dry Goods.	Board.	Groceries.	Somerville Poor in Other Cities and Towns	Boots and Shoes.	Medicine.	Burials.	Salaries.	Fuel.	Sundries.	Cash Paid Out.	Tele- phone.	Stationery and Printing.	Somerville Hospital.	State Hospital.	Foxboro Hospital.	Feebie- minded School.	Epileptic Hospital. Rutland Sanatorium.	Total.
January .	\$2 00	\$32 72	\$660 25	\$655 56	\$11 60	\$31 92	\$10 00	\$341 66	\$191 94	\$6 90	\$16 98	70	\$10 35	. . .	\$79 48	\$48 29	. . .	\$130 00	\$2,230 35
February .	. . .	57 00	455 50	144 53	. . .	7 50	. . .	341 66	129 85	11 00	5 50	\$17 02	5 25	. . .	. . .	. . .	. . .	. . .	1,174 81
March .	. . .	32 72	653 28	. . .	5 00	4 30	. . .	341 66	129 61	1 00	16 07	. . .	. . .	\$133 33	. . .	. . .	. . .	167 14	1,484 11
April .	. . .	32 16	545 48	. . .	15 50	. . .	. . .	341 66	5 85	4 00	28 45	. . .	1 65	399 99	. . .	40 86	. . .	. . .	1,415 60
May .	. . .	52 57	518 36	438 36	. . .	10 55	20 00	341 66	5 00	. . .	24 55	31 68	. . .	133 33	119 48	. . .	. . .	. . .	1,695 54
June .	1 00	126 87	423 60	. . .	. . .	1 83	. . .	341 66	. . .	10 00	17 15	. . .	9 00	133 33	. . .	. . .	. . .	133 26	1,197 70
July .	. . .	97 86	402 50	618 08	9 50	. . .	. . .	341 66	. . .	. . .	8 15	. . .	6 25	133 33	68 23	98 43	. . .	. . .	1,783 99
August .	. . .	66 79	479 59	. . .	. . .	. . .	10 00	341 66	. . .	3 00	24 15	20 77	. . .	133 33	. . .	. . .	. . .	. . .	1,079 29
September	. . .	90 87	345 00	142 00	. . .	40 75	5 00	341 66	1 00	1 00	13 35	1 21	3 00	133 33	. . .	. . .	. . .	183 39	1,301 56
October .	. . .	66 79	500 03	. . .	20 50	24 73	5 00	323 66	. . .	4 60	16 40	. . .	. . .	133 33	. . .	59 90	. . .	. . .	1,154 94
November	. . .	64 87	455 00	252 96	. . .	. . .	. . .	291 66	103 60	. . .	14 78	16 50	10 00	133 33	70 81	. . .	. . .	10 71	1,424 22
December	. . .	66 79	308 07	454 16	. . .	34 98	15 00	291 74	94 88	. . .	7 40	7 00	15 40	1,000 00	. . .	. . .	. . .	. . .	2,295 42
Totals .	\$3 00	\$788 01	\$5,746 66	\$2,705 65	\$62 10	\$156 56	\$65 00	\$3,982 00	\$661 73	\$41 50	\$192 93	\$94 88	\$ 60 90	\$2,466 63	\$338 00	\$247 48	. . .	\$624 50	\$18,237 53

Overseers of the Poor of Somerville.**SINCE THE REORGANIZATION IN 1885.**

†Hon. Mark F. Burns, chairman ex-officio	1885	1888 inclusive
†Colonel Herbert E. Hill	1885	1889 — “
†Charles S. Lincoln, Esq., chairman	1885	1887 “
Hon. Edward Glines	1885	1887 “
†Charles G. Brett, president	1885 April	1893 “
Edward B. West, president	1888 to date*	“
†Daniel C. Stillson	1888 April	1892 “
†Hon. Charles G. Pope, chairman ex-officio	1889	1891 “
Nathan H. Reed, president	1890 April	1894 “
†Hon. Wm. H. Hodgkins, chairman ex-officio,	1892	1895 “
James G. Hinckley	May 1892	1894 “
Albert W. Edmands	May 1893 to	date* “
Herbert E. Merrill	May 1894 to	date* “
†Ezra D. Souther	1895 Feb.	1898 (Died)
Hon. Albion A. Perry, chairman ex-officio	1896	1898 inclusive
James H. Butler	March 1898	1899 “
Hon. George O. Proctor, chairman ex-officio,	1899	

*Present member.

†Deceased.

Table No. 7.**RECAPITULATION (MISCELLANEOUS).**

Appropriation	\$14,000 00	
Reimbursements	5,922 65	
Total receipts		\$19,922 65
Total expenditures		18,237 53
Balance		\$1,685 12
Net expenditures		12,314 88

REPORT OF WARDEN OF CITY HOME.

CITY HOME, }
January 1, 1907. }

To the Overseers of the Poor, City of Somerville, Mass.:—

Gentlemen,—I submit the following as the report of the warden of the city home for the year ending December 31, 1906:—

Table No. 1.

REIMBURSEMENTS.

Produce and pork sold	\$3,863 32	
Board of sundry persons	45 00	
		<hr/>
		\$3,908 32

Table No. 2.

LIVING EXPENSES.

Salaries and wages	\$2,349 45	
Groceries and provisions	1,757 46	
Dry goods	218 59	
Boots and shoes	38 90	
Hay and grain	610 23	
Seeds and fertilizer	109 31	
House furnishings	30 70	
Kitchen furnishings	34 80	
Sundries	55 44	
Farm sundries	158 25	
Cash paid by warden, car fares for warden, inmates, and laborers	41 05	
Medicine	38 79	
Shoeing horses	39 25	
Repairs on wagons and tools	85 50	
Repairs on sash	28 54	
Ice	33 50	
General repairs	175 47	
Swill and bedding	332 01	
New tools	172 60	
Live stock	240 00	
Telephone	36 53	
		<hr/>
		\$6,586 37
Credits:—		
Produce and pork sold	\$3,863 32	
Board for sundry persons	45 00	
		<hr/>
		3,908 32
		<hr/>
Net living expenses		\$2,678 05

Table No. 3.

Number weeks' board of inmates	1,092 2-7
Average weekly cost of inmates	\$2 45
Number of males admitted during 1906	13
Number of females admitted during 1906	8

Number of males discharged during 1906	12
Number of females discharged during 1906	4
Number of males supported during 1906	28
Number of females supported during 1906	14
Number of males died during 1906	1
Number of females died during 1906	2
Number of inmates in home January 1, 1907,	24

Table No. 4.**FARM ACCOUNT.****REIMBURSEMENTS.**

Produce and pork sold	\$3,863 32	
Produce used at city home	279 99	
		<hr/>
		\$4,143 31

EXPENSES.

Wages for help	\$1,122 35	
Feed for one horse	152 25	
Shoeing one horse	9 81	
Repairs on wagons and tools	85 50	
Repairs on sash	28 54	
Swill and bedding	332 01	
Farm sundries	158 25	
Seed and fertilizers	108 66	
		<hr/>
		\$1,997 37
Balance		<hr/>
		\$2,145 94

Table No 5.**PERMANENT REPAIRS AND FIXTURES.**

Painting and water-coloring walls	\$19 94	
Concrete around greenhouse	9 10	
Building platform for pigs	24 55	
Rail on new range	9 00	
Cement	3 50	
Sewer assessment	154 33	
		<hr/>
		\$220 42
Living expenses	6,586 37	
		<hr/>
Total expenditures	\$6,806 79	

Table No. 6.**RECAPITULATION.**

Appropriation	\$2,500 00	
Reimbursements	3,908 32	
Net expenditures	2,898 47	
		<hr/>
Total expenditures	\$6,806 79	
Total receipts	6,408 32	
		<hr/>
Account overdrawn	\$398 47	

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

REPORT OF THE CITY PHYSICIAN.

OFFICE OF CITY PHYSICIAN, }
Somerville, January 21, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The year 1906 was marked by the death in office of Alvah B. Dearborn, much loved and widely respected city physician for many years.

The records of the poor department show work done by the city physician and his assistant for the period from January 1 to August 19 to be summarized as follows: house visits, 960; office calls, 554; confinements, 14; vaccinations, 19; teeth extracted, 59; visits at the police station, 16. During the remainder of the year, from August 20 to December 31, inclusive, 811 house visits have been made, 495 patients have received office treatment, 4 women have been attended in confinement, 108 children vaccinated, and 18 cases treated at the police station.

Patients at the Somerville contagious hospital were under the care of your city physician from April 4 to October 3, during which time 208 visits were made at the hospital.

Very respectfully,

C. CLARKE TOWLE,

City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER, }
CITY HALL, SOMERVILLE, January 15, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In accordance with the provisions of the city charter, the following report of the work done and expense incurred for the year ending December 31, 1906, by the departments and appropriations under my charge and supervision, including Engineering, Grade Crossings, Sewers Construction, Sewers Maintenance, Public Grounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

Statement of Expenses, 1906.

Salary City Engineer	\$2,800 00	
Salaries of assistants (see itemized statement)	8,045 77	
Stakes, tools, and general supplies (outside work)	46 72	
Draughting materials and office supplies (inside work)	82 77	
Setting stone bounds for defining street lines (materials)	82 16	
Car fares	236 05	
Maintenance of team	146 15	
Telephone, postage, and incidentals	142 20	
Total debit		\$11,581 82
CREDIT.		
Appropriation	\$11,500 00	
Amount received for making acceptance plans	51 00	
Amount received from City Engineer for telephone service	31 24	
Total credit		\$11,582 24
Balance unexpended		\$0 42

Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$1,692 67
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department	1,418 77
Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments	922 89
Water Works,—comprising lines, grades, locations of mains, gates, hydrants, and services, and other matters relating to water department	366 26
Public Grounds,—comprising surveys, plans, estimates, profiles, and grades, including laying out of parks, and grounds, and boulevards	182 41
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction,	47 86
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses	64 22
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	184 67
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, bridges, etc.	1,070 78
Middlesex Registry,—comprising copying of plans and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record	147 84
Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles and office notes, locations of poles and conduits	52 51
Stone Bounds,—locating and setting	52 51
Office Work,—comprising records of all locations, indexing, typewriting, calculations, and general draughting,	1,019 71
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	58 75
Vacations, Holidays, and Sickness	588 17
Total	<u>\$8,045 77</u>
Special work on grade crossings (charged to Grade Crossings account)	282 51

Grade Crossings Account.**STATEMENT OF EXPENSES, 1906.**

Legal services (City Solicitor)	\$223 24
Surveys and plans (engineer's assistants)	282 51
Printing, advertising, etc.	98 04
	<u>\$603 79</u>

CREDIT.

Balance of appropriation unexpended December 31, 1905,	<u>\$977 30</u>
Balance on hand	\$373 51

Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, and deed books	255
Number of plans, including sewers, highways, parks, house lots, etc.	6,000
Value of field instruments, tools, and office instruments	\$2,000

The total cost of maintaining the city engineer's department since it was established (1872-1906, both years inclusive) has amounted to \$237,247.15.

General Work. The number of assistants employed during the year on engineering work varied from eight to eleven.

The department has made designs, plans, estimates of cost of contemplated and completed public works, etc., as required by various orders of the board of aldermen and committees. All survey notes, records, and plans made of sewers, drains, highway work, water works, grade crossing work, etc., have been filed for future reference.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, have been copied, titles examined, and abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners; and copies made of all city plans where land has been taken for highways or sewers, and these have been filed and recorded at the Registry, East Cambridge.

Plans have been made and photographs taken where accidents have occurred on the city work or where boundaries were in dispute, for the use of the city solicitor in court cases and hearings; and special plans and data prepared for hearings relating to the proposed bridges and approaches on Lowell street, over the Southern division, and the abolition of all grade crossings on the Fitchburg division of the Boston & Maine railroad.

A number of street names have been changed and plans made showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned; some of the old main thoroughfares should be re-numbered throughout their entire length, so as to eliminate half numbers and letters now being used, as many of these old streets have outgrown their original numbering.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion and inconvenience now existing.

Stone monuments have been set at a number of street intersections and angles to define and preserve the true lines of public streets, and this work should be continued as much as possible each year. By setting these stone bounds or monuments, in

Portland cement concrete, at the level of the surface of the ground, or flush with the surface of the sidewalk, they can also be used as permanent "Bench Marks" throughout the city by establishing their exact elevations, and thereby being a great convenience and saving of time in giving grades, not only for the city engineering department, but also for all other surveyors.

Lines and grades have been given for the erection of new city buildings, and plans and sketches made for the laying out of the surrounding grounds.

About 146 street lines and grades have been given by the department during the year for builders and private parties applying for established grades and lines in connection with the erection of buildings and fences and grading of property.

Plans have been made by the Edison Electric Illuminating Company, of Boston, the New England Telephone and Telegraph Company, West End Street Railway Company, Charlestown Gas and Electric Company, and Cambridge Gas Light Company, and filed in this office, showing the various locations of poles, tracks, and conduits in this city which have been granted by the board of aldermen during the year; and work has been continued under a special act of the legislature, with reference to the city of Somerville, passed in April, 1905, whereby the electric light and telephone companies are placing their overhead wires in conduits underground in certain specified streets, and removing all poles from these streets.

The telephone and electric light companies have extended their underground conduits in Broadway during the year 212 feet and 2,590 feet, respectively, making a total of underground conduits in the city January 1, 1907, belonging to the New England Telephone and Telegraph Company 12.07 miles, and the Edison Electric Illuminating Company, 1.10 miles.

Lines and grades have been given for laying 5,189.7 linear feet of new water mains varying in size from six inches to twelve inches in diameter. Two hundred and fourteen house services, eighteen gates, and seventeen hydrants have been located and recorded, sketches and plans made showing the same, and the large water works map corrected to date.

Eighty-one services were re-located, principally on account of new permanent pavement being laid in certain streets where it was advisable to place an extra pipe in the sidewalks. Some of the trench work on the extension of water mains the past year has been done by contract with the lowest bidder, at a considerable saving in cost to the city, the average cost being twenty-six cents per lineal foot for excavation and re-filling done by contract.

During the year the department has made plans and established grades for the acceptance, under the betterment act, of eleven new public streets, a total length of 1.02 miles, and one street widening plan, and made plans showing the discontinuance of two streets and a portion of another; copies of these plans have been made and filed at the Middlesex Registry at East Cambridge, as required by law.

Five hundred twelve and eight-tenths square feet of land have been taken on the northerly side of Mossland street, at Elm street, and two hundred seven and four-tenths square feet of land taken on the southerly side of Mossland street, at Somerville avenue, for the purpose of widening the roadway.

Frost avenue, Sherman street, and the southwesterly end of Edmands street have been discontinued as streets, a length of nine hundred six feet.

Five plans have been made for acceptance of private streets during the year as ordered, but not as yet made public, and there are plans for acceptance of twelve other private streets, previously made, on file in the office that, for various reasons, are still unaccepted as public ways.

Ten streets have been constructed during the year, a length of four thousand three hundred twenty-eight feet, where betterment assessments have been levied on the abutting property amounting to \$3,228.38.

The total length of public streets in the city is 71.229 miles, and private streets, 23.033 miles.

Lines and grades have been given for setting twelve thousand eight hundred thirty-five and two-tenths linear feet (2.43 miles) of new edgestone and the re-setting of eleven thousand eight hundred four and five-tenths feet (2.24 miles) of old edgestone, and measurements taken for computing assessments; the total length of edgestone set being in excess of the previous year by about two thousand six hundred fifty-four feet.

Ten thousand five hundred and thirty-two square yards of new brick sidewalks and four thousand six hundred ninety-nine and five-tenths square yards of granolithic and tar concrete sidewalks have been laid (about 4.24 miles in length), and five thousand six hundred ninety-nine and eight-tenths square yards of old brick sidewalks re-laid; the total yardage laid being in excess of the previous year by about nine thousand one hundred four yards.

The average cost for the year of setting edgestone with gravel sidewalk has been ninety-eight cents per linear foot, and laying brick sidewalks one dollar and three cents per square yard,

which is in excess of the previous year on account of a slight increased cost of materials and labor.

Four thousand two hundred seventy-eight and five-tenths square yards of new paved gutters have been laid, and six hundred eighty-nine and six-tenths square yards of new vitrified brick and granite crossings and driveways constructed; two thousand two and one-tenth square yards of old gutters, driveways, and crossings have been re-laid, all requiring lines, grades, and measurements.

(See tables in this report for cost of new work, 1906, and total lengths of sidewalks constructed in the city to date.)

Streets Accepted as Public Highways in 1906 under the Betterment Act.

NAME OF STREET.	WARD.	FROM	TO	Width in Feet.	Length in Feet.	Date of Acceptance.
Ash ave. . . .	5	Meacham st. .	E Albion st. .	40	554	June 15
Calvin	2	Washington st. .	Beacon st . .	30 and 40	655	April 27
Cleveland	6	Central st. . .	Harvard st. . .	40	459	Oct. 26
Franklin ave. . . .	1	Washington st. .	Franklin st. . .	20	575	July 27
Giles park	3	Walnut st. . .	Northwesterly .	32.71	167	Sept. 14
Heath	5	Mt. Vernon ave.	Moreland st. . .	40	364	Nov. 9
Hinckley	5	Broadway . . .	Richardson st. .	30 and 35	579	June 29
Jasper	4	Pearl st. . . .	Gilman st. . . .	40	283	June 15
Loring	3	Somerville ave. .	Osgood st. . . .	40	413	Nov. 23
Moreland	5	Meacham st. . .	Mystic ave. . . .	40	780	Oct. 26
Mossland	6	Widening at Elm	st. & Some'lle ave.			Dec. 28
Pearson rd	7	Broadway . . .	Warner st. . . .	40	564	Nov. 23
Total			(1.021 miles)	..	5,393	

Length of Public Streets in Each Ward.

	Miles.
Ward one	9.291
Ward two	7.952
Ward three	7.370
Ward four	9.147
Ward five	11.056
Ward six	11.591
Ward seven	14.822

Total length of public streets in the city . 71.229

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1906.

STREET.	WARD.	SIDE.	FROM	To	WIDTH OF SIDEWALK IN FEET.	MATERIALS.		TOTAL COST.	PAVED GUTTERS.	
						Gravel and Edgestone. Lineal Feet.	Bricks. Sq. Yards.		Sq. Yards.	Cost.
Belmont	6	Easterly	Estate No. 111	No. 91 inclusive	6.67	.....	208.1	\$227 50	.....	.....
Boston ave.	6	Easterly	Broadway	Northerly	8.33	61.7	.....	58 84	37.6	\$63 32
Bradley	4	Westerly	N. E. Tel. and Tel. Co. . . . .	.....	6.67	.....	39.7	37 60	.....	.....
Broadway	5	Southwesterly	Norwood avenue	Magoun sq.	Av. 8.00	.....	386.5	424 48	.....	.....
Broadway	7	Southerly	St. James church . . . . .	.....	11.00	.....	123.5	132 68	.....	.....
Calvin	2	Both	Washington st.	Beacon st.	6.67 5.00	1,285.2	.....	1,104 30	428.4	651 45
*Cameron ave.	7	Southerly	Holland st.	W'ly line No. 24	10.00	{ 5.00 walk 5.00 sod }	223.0	380 90	.....	.....
Campbell park	7	Northerly	Meacham road	Kingston st.	6.67	.....	204.9	213 88	.....	.....
Cedar	5	Easterly	Broadway	City road	6.67	243.2	.....	202 20	81.1	141 45
College ave. and Warner st.	7	Easterly	Warner st.	N'ly line No. 167	10.00	1,113.4	.....	1,121 36	383.3	670 09
Columbus ave.	7	Northerly	College ave.	Medford city line	10.00	.....	.....	497 18	167.4	313 86
Conwell	3	Both	Washington st.	Angle	6.67	502.1	.....	179 68	.....	.....
Dana	6	Easterly	Highland ave.	Francis st.	5.83	.....	159.5	378 10	.....	.....
Dana	4	Westerly	Pearl st.	Otis st.	6.67	.....	349.0	.....	.....	.....
Dana	4	Easterly	Otis st.	Bonair st.	6.67	165.3	.....	342 27	55.1	111 39
Dana	4	Westerly	Otis st.	Bonair st.	6.67	.....	133.9	294 56	.....	.....
Dell	1	Southwesterly	Tufts st.	Glen st.	6.67	.....	299.3	746 94	.....	.....
*Edmands	4	Both	Broadway	End of street	6.67	.....	501.3	1,334 55	462.1	686 12
Electric ave.	7	Both	Curtis st.	Packard ave.	6.67	1,386.4	.....	171 73	.....	.....
Eliot	2	Southwesterly	Park st.	Vine st.	6.67	.....	197.3	272 80	96.1	161 76
Gilman and Walnut	4	Northeasterly	Jasper st.	Walnut st.	6.67	288.4	.....	157 70	58.3	109 61
Glen	4	Easterly	Gilman st.	Jasper place	6.67	.....	366.7	357 00	.....	.....
Grant	1	Easterly	Oliver st.	Flint st.	6.67	175.0	.....	788 22	260.1	545 64
Greenville	4	Easterly	Broadway	Jaques st.	6.67	.....	.....	570 49	.....	.....
Highland ave.	3	Both	Medford st.	Boston st.	6.67	780.2	.....	.....	.....	.....
Highland ave.	6	Southwesterly	Hancock st.	Willow ave.	10.00	.....	585.3	.....	.....	.....
Highland ave.	6	Southwesterly	Belmont st.	Lowell st.	10.00	{ 6.00 walk 4.00 sod }	129.3	173 62	.....	.....
Holland st., Simpson ave. and Paulina st.	7	Northeasterly	Paulina st.	Simpson ave.	10.00	.....	489.0	450 51	.....	.....
Hudson	5	Southwesterly	(Hodgkins school) Cedar st.	Angle	6.67	.....	492.2	519 93	.....	.....
Jasper	4	Both	Pearl st.	Gilman st.	6.67	546.0	.....	570 53	182.0	319 50
*Josephine ave.	6	Both	Broadway	Frederick ave.	7.50	{ 5.00 walk 2.50 sod }	1,104.6	1,791 26	.....	.....
Knapp	3	Northeasterly	School st.	Granite st.	6.67	.....	259.8	271 90	.....	.....
Knowlton	1	Both	Tufts st.	End of accepted st.	6.67	.....	598.8	590 60	.....	.....
Lexington ave.	6	Both	Willow ave.	Hancock st.	8.33	1,098.8	.....	1,026 50	366.3	593 38
Medford	1 and 2	Both	Somerville ave.	Washington st.	8.33	.....	1,689.4	1,721 11	.....	.....
Otis	4	Both	Dana st.	Wigglesworth st.	6.67	563.3	1,533.0	2,091 11	187.8	310 62
Otis	4	Both	Cross st.	Wigglesworth st.	6.67	.....	.....	.....	.....	.....
*Rogers ave.	6	Southeasterly	Frederick ave.	Boston ave.	7.50	{ 5.00 walk 2.50 sod }	494.0	807 51	.....	.....
Seven Pines ave.	7	Northerly	Cameron ave.	Cambridge line	6.67	132.1	.....	115 95	44.0	84 71
Skehan	2	Both	Dane st.	Hanson st.	5.00	595.2	.....	551 56	198.4	421 70
Veazie	4	Both	Bradley st.	Marshall st.	6.67	495.7	.....	438 03	165.2	283 35
Warner	7	Southerly	Est. cor. Br'dway . . . . .	.....	10.00	47.8	.....	48 48	15.9	.....
Washington	2	Northerly	Fitchburg R. R.	Dane st.	10.00	.....	1,419.4	1,469 73	.....	.....
Westminster	7	Northwesterly	Broadway	Electric ave.	6.67	370.7	.....	378 93	123.6	210 90
Wheatland	4	Both	Jaques st.	Mystic ave.	6.67	1,679.4	.....	1,755 43	559.8	960 82
Wheatland	4	Both	Broadway	Jaques st.	6.67	.....	690.8	789 20	.....	.....
*Willow ave.	6	Southeasterly	Frederick ave.	Morrison ave.	8.33	{ 5.00 walk 3.33 sod }	389.4	641 81	.....	.....
Willow ave.	6 and 7	Both	Highland ave.	Morrison ave.	8.33	551.9	.....	516 50	214.8	485 70
Windom	7	Both	Summer st.	Elm st.	6.67	573.5	.....	700 98	191.2	381 97
Total assessment, \$13,708.06						12,655.3	13,067.7	\$27,416 14	4,278.5	\$7,507 34
Net cost to city, \$13,708.08						179.9	2,163.8	.....	.....	.....
Amount of edgestone and brick sidewalk, including granolithic, in front of private estates . . . . .						.....	.....	.....	.....	.....
Totals. (Gravel sidewalks, 2.431 miles. Brick, granolithic, and tar sidewalks, 4.242 miles.)						.....	.....	.....	.....	.....

*Granolithic.

Miles of Edgestone, Brick Sidewalk and Gravel Sidewalk, in Each Ward.

	Edge- stone.	Brick Sidewalk.	Gravel Sidewalk.
Ward one	16.766	12.231	4.540
Ward two	12.756	4.737	8.019
Ward three	13.027	11.685	1.342
Ward four	13.340	9.716	3.624
Ward five	16.794	10.448	6.346
Ward six	20.047	13.204	6.843
Ward seven	18.218	9.398	8.820
Total miles in the city	110.943	*71.409	39.534

*Includes 5.67 miles granolithic and tar concrete walk.

Table of Street Construction.

	Miles.
*Streets paved with granite blocks	2.73
Streets paved with "Hassam" pavement	1.19
Streets paved with asphalt	0.73
Streets paved with vitrified brick (Davis square)	0.20
Streets paved with "bitulithic"	0.88
**Streets macadanized	65.41
Streets graveled or unimproved	23.12
Total	94.26

*Also 29.6 miles (single track) electric railway, paved with granite, asphalt, "bitulithic."

**Includes 2.84 miles boulevard.

Lines, grades, and measurements have been given and miscellaneous work done for paving with "Hassam Pavement," by contract, a portion of Medford street, extending from School street to Magoun square; another section of Medford street, between Washington street and Central square; Broadway, extending from the Charlestown line to Cutter street; and a portion of Union square, where there was granite block paving, was re-paved with this new pavement.

The space occupied by the street railway tracks was not paved with the new pavement, but left with the old granite block pavement.

Simpson Brothers corporation, of Boston, were the contractors, laying this new pavement under a ten-years' guarantee for \$1.50 per square yard, the city re-setting all edgestone, re-laying all sidewalks, crossings, and making all other necessary alterations to complete the work at the following cost:—

Location.	Length in Feet.	"Hassam Pavement" Square Yards.	Total Cost. Contract and City.
Broadway, double roadway . . (Charlestown line — Cutter st.)	1,521	8,903.9	\$14,730.70
Medford st. (School st.—Magoun sq.)	3,567	9,356.7	15,665.59
Medford st. (Washington st.—Central sq.)	524	1,130.5	2,262.63
Union sq.	643	3,561.0	6,060.93

These accounts were credited respectively with \$631.46, \$1,030.33, \$50, \$1,550.83, being the amounts allowed for old materials removed from the line of work.

Also the yard at the city's garbage plant was laid with this pavement, amounting to 478 square yards.

Total "Hassam Pavement" laid in the city during 1906, 23,430 square yards, 1.19 miles in length.

The vitrified brick pavement has been extended in Davis square, West Somerville, southeasterly on Elm street, a length of 234 feet, amounting to 788 yards, the work being done by the city (day labor) at a total cost of \$2,175.38; this account was credited with \$210, being the amount allowed for old materials removed from the line of the work.

This pavement was laid on a Portland cement concrete base, and the brick joints grouted with Portland cement, with tar expansion joints along the edgestone and occasionally across the street. The space occupied by the street railway tracks was left paved with the old granite blocks.

For comparison,—the average cost of laying "Hassam Pavement" in the city during the year (principally by contract) was \$1.69 per square yard, including the cost of re-setting edge-stones, sidewalks, and all other incidental work; and the cost of laying vitrified brick pavement (by city day labor) was \$2.76 per square yard.

New streets constructed during the past year have been more thoroughly and better built than for some time past, at least six inches of stone, after rolling, being used, and trap-rock entirely for the wearing surface. And the same method of construction should be carried out in the re-building and surfacing of old streets.

The greater part of highway construction work has been done by the city furnishing all materials, labor, etc., one street being built by contract where the contractor furnished everything required. The average cost of new street construction work, macadamizing with trap-rock, where the city furnished every-

thing, has been fifty-six cents per square yard, and where the contractor furnished everything, forty-eight cents per square yard.

This shows an average cost of \$1.32 per lineal foot for constructing a street forty feet in width, having a macadamized roadway twenty-one feet wide, built by the city, day labor; and by contract was \$1.12 per lineal foot, a saving of about twenty cents per foot on a forty-foot street where work is done by contract under proper specifications and inspection.

All new street construction work, trench work for laying water mains, etc., should be done by contract with the lowest bidder, under proper specifications and plans drawn by the city engineer, and thereby saving a considerable percentage of cost.

Where double car tracks have been laid in streets, leaving narrow roadways on either side, it is impossible to maintain a macadam surface, even at a heavy expense yearly, and these streets should be permanently paved with a suitable permanent pavement adapted to the character of the surroundings and amount of traffic and conditions encountered.

On some of the principal streets the edgestones should be completed and gutters paved, so that the street can be properly drained in times of heavy storms.

A plan has been made of the city ledge, situated in West Somerville, between Holland street and Broadway, showing the laying out of this property into house lots and streets; a considerable quantity of stone still remains on the southerly portion of this lot that can be quarried and used on street and sidewalk work to the city's advantage, and also arrangements have been made whereby the city will come into possession of the Collins and Ham ledge on Clarendon hill, West Somerville.

By using the stone from these two ledges and purchasing trap-rock, the city will have a sufficient supply of good road material for a number of years to come.

A petition of the West End street railway company for laying double tracks in Mystic avenue, from the Charlestown line to the Fellsway (state boulevard), a length of about three thousand three hundred fifty feet, is still pending, as the matter between the city and Massachusetts highway commission has not, as yet, been completed, whereby the entire length of this street in Somerville is to be constructed and maintained as a state highway.

The double car tracks in Broadway, between the Charlestown line and Broadway parkway, about three thousand seven hundred feet in length, have been re-located, at the city's request, so that a wider space (nine feet, eight inches) between the inner rails may be maintained as a grass plot; in the centre necessary poles and wires will be maintained, and all other poles and wires removed from the surface, and two roadways maintained, one on either side of the street, each twenty-five and one-half feet wide.

There are twenty nine and six-tenths miles of electric car track (single track location) laid at the present time in the city's streets.

Perambulation of City Boundary Line between Somerville and Boston. In June, 1906, representatives from the city of Somerville and the city of Boston, duly authorized, met and examined the bounds and marks defining the existing division line between the two cities, and reported in due form to their respective boards of aldermen.

These boundary lines between the adjoining cities are perambulated every five years, and an accurate description of the same is placed on record in the city clerk's office.

Abolition of Grade Crossing. Considerable progress has been made during the past year on the abolition of railroad crossing at grade in this city, and many public hearings have been held before the special commission appointed by the court for this purpose.

The city, being the petitioner in this matter, necessarily had to present some scheme for accomplishing what was desired, and early in the year a plan and special report was presented by the city engineer in brief, partially as follows:—

Report, accompanying preliminary plan, profiles, and sections, showing proposed scheme for separating the steam railroad and street crossings at grade on the line of the Fitchburg division of the Boston & Maine railroad through the city of Somerville. The referred-to plan is entitled "City of Somerville, Preliminary Plan Showing Proposed Scheme for Abolishing Grade Crossings on Line of Fitchburg Railroad (leased to Boston & Maine Railroad) January 1, 1906, E. W. Bailey, City Engineer."

For many years past the matter of the abolition of grade crossings on the Fitchburg railroad has been a topic for discussion by the people of Somerville, and under earnest consideration by the city government, especially the more dangerous crossings located at Somerville avenue and Webster avenue, where there is the added danger of many electric railway cars passing at all hours of the day and night.

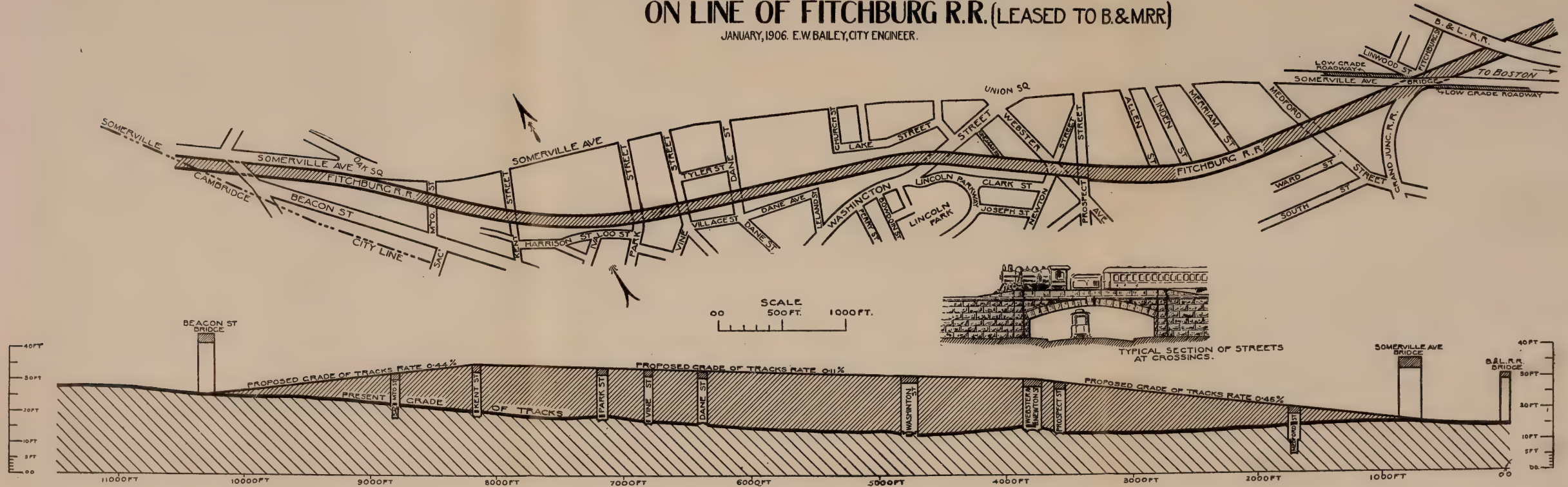
After many consultations between city and railroad officials, and the bringing of court proceedings during the past years, in consequence of such consultations, the matter has finally been referred to a special commission appointed by the court in June, 1905, consisting of three members, namely: George W. Wiggin, William F. Dana, and George F. Swain. (Mr. Dana was obliged to resign during the past year, and James D. Colt has been appointed to fill the vacancy.)

A petition for the abolition of the grade crossing at Somerville avenue was filed in the superior court November 19, 1892, under instructions from the city government. Petitions for the abolition of all five crossings were filed June 28, 1899, and a supplementary petition for the abolition of the Medford-street crossing was filed July 28, 1900.

The general counsel of the railroad, George A. Torrey, Esq., on September 26, 1900, sent a written communication to the city

CITY OF SOMERVILLE
PRELIMINARY PLAN AND PROFILE
SHOWING PROPOSED SCHEME FOR
ABOLISHING GRADE CROSSINGS
ON LINE OF FITCHBURG R.R. (LEASED TO B.&MRR)

JANUARY, 1906. E.W. BAILEY, CITY ENGINEER.



solicitor, requesting, in behalf of Mr. Tuttle, the president of the Boston & Maine railroad, that the matter be allowed to rest for a while without further action; and that it would be useless to take up any of the crossings separately, as the commission would undoubtedly decide that they must be dealt with at the same time.

Partly in consequence of this request, no further action was taken by the city until January, 1905, when the city solicitor was instructed to take up the matter in earnest. During all the intervening time, the general sentiment of the community was strongly in favor of the abolition of the crossings, and any further unnecessary delay would be greatly regretted, and it would seem that the city had already shown all reasonable consideration to the desire of the railroad company for postponement.

The records at the office of the railroad commissioners show many accidents at the crossings to travelers upon the highways. Among the accidents recorded are the following:—

September 8, 1904, at Somerville avenue, a man fatally injured.

July 14, 1904, at Medford street, a man killed.

April 9, 1903, at Somerville avenue, a man killed.

January 25, 1901, at Medford street, a horse killed, wagon destroyed, and man injured.

August 1, 1901, at Somerville avenue, a man killed.

August 4, 1900, at Webster avenue, a man fatally injured.

February 10, 1900, at Somerville avenue, a man fatally injured.

January 28, 1899, at Somerville avenue, a man fatally injured.

June 4, 1899, at Medford street, a man killed.

March 28, 1898, at Webster avenue, a man fatally injured.

August 4, 1898, at Medford street, a man killed.

September 21, 1898, at Webster avenue, a man injured.

August 19, 1897, at Webster avenue, a man seriously injured.

October 30, 1897, at Medford street, a woman injured.

May 11, 1895, at Somerville avenue, a woman fatally injured.

November 15, 1895, at Medford street, a man injured.

December 12, 1895, at Somerville avenue, a man fatally injured.

All the above are stated to have been travelers on the highways.

In making a study of the problem at the various crossings, after making surveys and the collection of various data, it would seem that the elevation of the railroad tracks at a majority of the crossings would be the most feasible solution, much the less expensive, as well as the best for all concerned, owing to objectionable grades and heavy damages if the city streets were elevated, or, in the case of a depression of tracks, the danger of flooding the roadbed, as the greater part of the territory is at a low elevation and flat grade, being not much higher than high tidal water.

The total change in grade between street and railroad would be materially less if the railroad is put overhead than if the high-

way is put overhead, the clearance required by the highway being considerably less; and the general topography of the territory being comparatively level on each side of the railroad location, the natural treatment would be the elevation of the railroad tracks, the earth embankments, where possible, to be grassed, and trees and shrubs planted on the slopes. Also, the raising of the tracks would not seriously interfere with the regular and continuous operation of the road during construction work.

The Fitchburg division of the Boston & Maine railroad, formerly the Fitchburg railroad, passes through the southerly portion of the city of Somerville, extending from the Boston line at Charles river, westerly to North Cambridge at Massachusetts avenue.

This line at the present time, in passing through the city from the east, crosses under the Southern division of the Boston & Maine railroad (formerly the Boston & Lowell railroad) Somerville avenue at grade, Medford street at grade, under Prospect street, Webster avenue and Newton street at grade, under Washington street, Dane street at grade, cutting off Vine street, Park street at grade, cutting off Kent street and Sacramento street, under Beacon street, and thence into the city of Cambridge, a total of eleven crossings.

Heavy freights are carried over this railroad daily to the large slaughtering and packing houses located on the line in the easterly part of the city, where there are extensive railroad freight yards, and there are many other local manufacturing and business establishments located along this line of railroad requiring the transportation of large quantities of freight. By this proposed plan no great change is made in the grade of the present tracks in the large freight yards, and along the line of the railroad in other places sidings can be so constructed that very little alteration will be required in the grade of the present spur tracks, and in a number of places a benefit will be derived by elevating.

There are two passenger stations located on this railroad within the city limits, one at the Webster-avenue crossing, the other at the Park-street crossing.

The following compiled data, from actual count, shows the traffic at the various grade crossings for a period of twenty-four hours in July, 1905:—

Location of Crossing.	TRAFFIC IN PERIOD OF TWENTY-FOUR HOURS.						
	Wagons.	Carriages.	Pedestrians.	Elec. R'y Cars.	Bicycles.	Automobiles.	Steam Trains.
At Somerville avenue	1,399	100	1,761	293	75	5	269
At Medford street	1,347	77	4,243	....	65	5	383
At Webster avenue	1,115	117	5,007	483	164	50	159
At Dane street	260	24	2,044	....	18	2	148
At Park street	179	58	2,138	....	89	8	145

The following compiled data, from actual timing, shows the total time that gates were down at the various grade crossings for a period of twenty-four hours in March, 1906:—

Location of Crossing.	Total time gates were down and street traffic delayed in period of twenty-four hours.	Longest time gates were down at any one time during period of twenty-four hours.
At Somerville ave. . . .	5 hours, 37 min., 50 sec.	5 minutes, 30 seconds
At Medford st. . . .	8 " 39 " 5 "	17 " 50 "
At Webster ave. and Newton st.	3 38 " 30"	8 " 0 "

The proposed scheme for the separation of the highway and railroad grades on the Fitchburg division of the Boston & Maine railroad through the city of Somerville in general is as follows (all elevations refer to Somerville city base, which is approximately mean low water):—

At Somerville avenue the railroad tracks remain at their present grade at elevation 16.2; Somerville avenue to be elevated sufficiently to pass over the railroad location. West of Somerville avenue the railroad tracks commence ascending gradually on a grade of 0.45% to Medford street, at elevation 20.6, raising the present tracks at this point 4.8 feet; (Medford street passing under the railroad by a subway) thence the railroad ascending by the same rate of grade (0.45%) to Prospect street, at elevation 29.2, raising the present tracks 15.4 feet; (Prospect street passing under the railroad, instead of over, as at present) thence the railroad ascending by the same rate of grade (0.45%) to Webster avenue and Newton street, at elevation 30, raising the present tracks 14.6 feet; (the highways passing under the railroad at nearly their present elevation) thence the railroad ascending on a grade of 0.11% to Washington street, at elevation 31.2, raising the present tracks 17.4 feet; (Washington street passing under the railroad, instead of over, as at present) thence the railroad ascending by the same rate of grade (0.11%) to Dane street, at elevation 33, raising the present tracks 16.6 feet; (Dane street passing under the railroad at nearly the present elevation) thence the railroad ascending by the same rate of grade (0.11%) to Vine street, at elevation 33.5, raising the present tracks 16.3 feet; (Vine street passing under the railroad, where at present it is cut off completely) thence the railroad ascending by the same rate of grade (0.11%) to Park street, at elevation 33.9, raising the present tracks 15.1 feet; (Park street passing under the railroad at a little lower elevation than at present) thence the railroad ascending by the same rate of grade (0.11%) to Kent street, at elevation 35, raising the present tracks 14.7 feet; (Kent street passing under the railroad where at present it is cut off) thence the railroad descending on a grade of 0.44% to Sacramento street, at elevation

32.2, raising the present tracks 9.6 feet; (Sacramento street passing under the railroad by a subway where at present the street is cut off) thence the railroad descending by the same rate of grade (0.44%) to Beacon street, where it meets the present grade of tracks at elevation 25.6.

The total length of this change in the railroad tracks (gradually ascending by 0.45% and 0.11% grades, respectively, and thence gradually descending by 0.44% grade) is 9,500 feet.

Sections of the railroad location would be built on earth embankments with side slopes, and the remainder with retaining walls and a solid fill.

The changes in the various highways by this proposed plan would be as follows:—

Somerville avenue would be raised 19.5 feet at the railroad, and pass over the tracks on a bridge having a head-room of sixteen feet in the clear, the proposed grade of the roadway of the elevated street on both sides of the railroad to be at the rate of 3.5%, and constructed only two-thirds (fifty feet) of the width of Somerville avenue. This would give a roadway as wide as the present avenue between edgestones, the remaining one-third (twenty-five feet) of the avenue to be maintained at its present grade for admittance of teams, etc., to the abutting property. The portion of this proposed elevated structure south of the railroad to be built on the northeasterly side of Somerville avenue, and the portion north of the railroad would be built on the southwesterly side of the avenue, with the low grade roadways on the opposite sides, respectively, as shown on the accompanying plan.

Medford street would pass under the railroad by the construction of a subway, the present street being lowered 10.2 feet at the railroad (the tracks being raised), and the proposed grade of the roadway ascending at the rate of 4% until meeting the present street surface, the sidewalks on either side of the roadway to be at a higher elevation, with a less ascending grade.

Prospect street would pass under the railroad (where it passes overhead at present) at a depression in grade of about three feet from the general elevation of the present street surface on either side of the railroad location.

Webster avenue and Newton street would pass under the railroad at a depression in grade of about 1.5 feet from the present street surface.

Washington street would pass under the railroad (where it passes overhead at present) by a depression in grade of about 4.5 feet from the general elevation of the present street surface on either side of the railroad location.

Dane street would pass under the railroad at very nearly its present grade.

Vine street would pass under the railroad (where at present it is cut off) at practically the same grade as the present street surface on either side of the railroad location.

Park street would pass under the railroad by a depression in grade of about one foot from the present street surface.

Kent street would pass under the railroad (where at present it is cut off) by a depression in grade of about one foot from the general elevation of the present street surface on either side of the railroad location.

Sacramento street would pass under the railroad (where at present it is cut off) by a subway; the proposed grade of the roadway on the north side of the railroad ascends at the rate of 8% to Somerville avenue, and on the south side at the rate of 3.5% until it meets the present street surface, the sidewalks on either side of the roadway to be at a higher elevation, with a less ascending grade.

At Beacon street the highway and railroad grades remain unchanged.

The head-room where the streets are carried under the railroad are generally fourteen feet or more, the two subways having less head-room.

Table Showing Proposed Changes at the Various Street Crossings.

Street.	Track Raised.	Street Raised.	Street Lowered.	Clear Head-room.
Somerville ave. . .	Pres. elev'n	19.5 feet	. . . .	16 feet
Medford st. . . .	4.8 feet	. . . .	10.2 feet	13 " (subway)
Prospect st. . . .	15.4 "	. . . .	17 "	14 "
Webster avenue and Newton st. . . .	14.6 "	. . . .	1.5 "	14 "
Washington st. . .	17.4 "	. . . .	16.5 "	15 "
Dane st.	16.6 "	Remains	the same.	14 "
Vine st.	16.3 "	"	" "	14.8 "
Park st.	15.1 "	. . . .	1 foot	14 "
Kent st.	14.7 "	. . . .	1.5 feet	14 "
Sacramento st. . .	9.6 "	. . . .	4.5 "	12 " (subway)
Beacon st.	Tracks	and street	unchanged.	

The bridge work at these various street crossings to be of most modern construction and best designs of combined steel and iron structures, granite arches, and reinforced concrete, with solid floors and ballasted tracks tending to reduce the noise of trains to a minimum.

Two new modern stations would be built in place of the present old structures, reached by easy approaches, and improving the present surroundings.

By the scheme presented, the greater part of the construction work and necessary alterations would be made on the railroad property, and thereby greatly lessen the claims of cost for property damages by the abutting owners of estates. These property damages have been estimated at 50% higher than the

total assessed valuation of the property affected by any change in grade on the streets.

A rough approximate estimate of the cost of abolishing the grade crossings on the Fitchburg railroad in Somerville by the proposed plan presented is as follows:—

Somerville-avenue Crossing. (By bridge over railroad location.)

COST OF WORK TO BE DONE ON CITY'S STREET.

Retaining walls	\$35,000 00
Filling	18,000 00
Street paving	15,000 00
Sidewalk work	3,000 00
Bridge work over railroad location, complete	30,000 00
Steps for sidewalks, etc.	3,000 00
Railings	5,000 00
Miscellaneous changes	1,000 00
Total construction work	<u>\$110,000 00</u>

Medford-street Crossing. (By subway under railroad.)

COST OF WORK TO BE DONE ON CITY'S STREET.

Excavation, etc.	\$2,000 00
Retaining walls	14,400 00
Street paving	5,000 00
Sidewalk work	1,100 00
Sewer and water pipe changes	3,000 00
Bridge work over railroad location, complete	8,000 00
Total construction work	<u>\$33,500 00</u>

Prospect-street Crossing. (Street under railroad.)

COST OF WORK TO BE DONE ON CITY'S STREET.

Excavation	\$2,000 00
Street paving	3,000 00
Sidewalk work	1,500 00
Bridge work over railroad location, complete	9,000 00
Total construction work	<u>\$15,500 00</u>

Webster-avenue and Newton-street Crossing. (Street under railroad.)

COST OF WORK TO BE DONE ON CITY'S STREET.

Excavation	\$1,000 00
Street paving	5,500 00
Sidewalk work	1,500 00
Bridge work over railroad location, complete	9,000 00
Total construction work	<u>\$17,000 00</u>

Washington-street Crossing. (Street under railroad.)**COST OF WORK TO BE DONE ON CITY'S STREET.**

Excavation, etc.	\$4,400 00
Street pavement	5,000 00
Sidewalk work	1,400 00
Bridge work over railroad location, complete	11,000 00
Total construction work	<u>\$21,800 00</u>

Dane-street Crossing. (Street under railroad.)**COST OF WORK TO BE DONE ON CITY'S STREET.**

Excavation, etc.	\$200 00
Street paving	1,500 00
Sidewalk work	500 00
Bridge work over railroad location, complete	8,000 00
Total construction work	<u>\$10,200 00</u>

Vine-street Crossing. (Street under railroad.)

Same estimated cost as Dane street \$10,200 00

Park-street Crossing. (Street under railroad.)**COST OF WORK TO BE DONE ON CITY'S STREET.**

Excavation, etc.	\$300 00
Street paving	2,200 00
Sidewalk work	800 00
Bridge work over railroad location, complete	9,000 00
Total construction work	<u>\$12,300 00</u>

Kent-street Crossing. (Street under railroad.)**COST OF WORK TO BE DONE ON CITY'S STREET.**

Excavation, etc.	\$300 00
Street paving	1,800 00
Sidewalk work	500 00
Bridge work over railroad location, complete	8,000 00
Total construction work	<u>\$10,600 00</u>

Sacramento-street Crossing. (By Subway under railroad.)**COST OF WORK TO BE DONE ON CITY'S STREET.**

Excavation, etc.	\$700 00
Retaining walls	2,500 00
Street paving	2,000 00
Sidewalk work	700 00
Bridge work over railroad location, complete	8,000 00
Total construction work	<u>\$13,900 00</u>

Beacon-street crossing. No change.

Street and railroad remain as at present.

Fitchburg Railroad Location. (Raising road bed.)**COST OF WORK TO BE DONE WITHIN RAILROAD LOCATION.**

Retaining walls	\$252,800 00	
Footing course	74,400 00	
Filling	250,100 00	
New stations (2) and grading	75,000 00	
Miscellaneous work	10,000 00	
<hr/>		
Total construction work, railroad location	\$662,300 00	
Estimated property damages on line of proposed work:—		
At Somerville-avenue crossing	\$36,300 00	
At Medford-street crossing	17,600 00	
At Webster-avenue crossing	2,000 00	
At Washington-street crossing	9,400 00	
At Kent-street crossing	3,000 00	
At Sacramento-street crossing	5,400 00	
<hr/>		
Estimated property damage assessed valuation	\$73,700 00	
Add one-half assessed valuation	36,800 00	
<hr/>		
Total estimated property damages	\$110,500 00	
Summary:—		
Estimated construction work on highways,	\$255,000 00	
Estimated construction work on railroad location	662,300 00	
<hr/>		\$917,300 00
Contingencies, etc.		45,800 00
<hr/>		
Total cost of construction work		\$963,100 00
Estimated property damages		110,500 00
<hr/>		
Total cost of proposed scheme		\$1,073,600 00

Respectfully submitted,

E. W. BAILEY,
City Engineer, Somerville.

January, 1906.

SEWER DEPARTMENT.**Sewers Construction Account.****STATEMENT OF EXPENSES, 1906.**

Constructing "separate system" sewers (assessments levied) petitioned for . . .	\$1,867 03	
Constructing "separate system" sewers (no assessments) . . .	13,519 11	
Constructing "combined system" sewers (assessments levied) petitioned for . . .	741 82	
Constructing storm drains and overflows . . .	400 95	
Constructing fifty-two catch basins, street drainage . . .	2,526 91	
Final payments on sewers constructed, 1905, . . .	740 30	
Work and materials furnished other departments . . .	872 58	
Sundry expenses, books and printing . . .	60 25	
Materials on hand December 31, 1906 . . .	775 45	
Total expenditure . . .	\$21,504 40	
Transferred to Highway Construction, paving . . .	2,000 00	
Transferred to Electrical Department . . .	3,000 00	
Total debit . . .		\$26,504 40
CREDIT.		
Appropriation . . .	\$20,000 00	
Balance unexpended December 31, 1905 . . .	4,711 52	
Assessments levied, sewers constructed, 1906 . . .	2,501 25	
Boston & Maine Railroad, entrance fee Boston-avenue sewer . . .	14 00	
Amounts received from other departments . . .	1,050 90	
Reserves on contracts due 1907 . . .	865 81	
Materials on hand December 31, 1905 . . .	815 03	
Total credit . . .		\$29,958 51
Balance unexpended . . .		\$3,454 11

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor, where old structures were to be remodeled or replaced by some difficult construction work.

All materials have been furnished by the city, and the prices paid for drain pipe, cement, supplies, etc., for the season have been by contract with the lowest bidder and at an unusually low rate.

A number of sewers have been constructed as petitioned for in different sections of the city, and portions of the cost of construction assessed on the abutting estates under orders adopted by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the old sewer to be used for storm and surface water. The city pays the entire cost of these new sewer extensions for house drainage.

Wherever these new sewers are constructed, the house plumbing should be changed where necessary, and the house drains and conductor, or surface water drains re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year, varying in size from eight-inch pipe to twelve-inch pipe, in the following localities:—

"Separate system" sewers in:—

Bromfield road,—Two Penny brook to near Dearborn road.

Chestnut street,—Poplar street, southeasterly.

Elm street,—(westerly side) Oak square to Mossland street.

Everett street,—(north side) East Newton street to near Webster avenue.

Harrison street,—(both sides) Ivaloo street to Kent street.

Ivaloo street,—(north side) Beacon street to Harrison street.

Kent street,—(both sides) northwest side Beacon street to near Fitchburg railroad; southeast side Beacon street to Harrison street.

Linwood street,—(east side) end of sewer built 1902 to London street.

Medford street,—(both sides) Somerville avenue to Washington street.

Nevada avenue,—Dane street to near Hanson street.

Pearson road,—Two Penny brook to near Dearborn road.

Skehan street,—Dane street to near Hanson street.

Village street,—Dane street to near Vine street.

Vine street,—(south side) Beacon street to near Fitchburg railroad.

Warner street,—Pearson road to Bromfield road.

Washington street,—(north side) Charlestown line to Franklin street.

"Combined system" sewers in:—

Gurney street,—Highland avenue to near Cedar street.

Newberne street,—Morrison avenue to near Lexington & Arlington branch railroad.

Storm drains in:—

Broadway,—connections across from northerly side at Rogers avenue.

Josephine avenue, Willow avenue and Lowden avenue.

Summary of Work. Twenty-two new sewers and drains have been constructed during the year, a total length of 11,957.1 linear feet (2.27 miles), at a cost of \$16,528.91, plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$2,501.25. (See tabular statement of sewers and drains for 1906, showing itemized statement of work and cost.)

The total length of the city's drainage system is 95.225 miles. 22.223 miles being on the "separate system," and 5.648 miles of storm drains, and the entire cost of construction has amounted to about \$1,180,465, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Fifty-two new catch basins have been constructed in the highways during the year, at an average cost of \$48.59 per basin, making a total of 1,416 catch basins in the city for street drainage purposes.

Metropolitan Sewer Connections. All of the city's ten connections with the North Metropolitan sewerage system are in good condition. No new main connections have been required.

A private drain about 700 feet in length has been constructed at the owners' expense for the purpose of drainage from the Hinckley rendering works located on the marsh lands near Mystic river, and connecting with the Metropolitan main on Mystic avenue, at Melrose street.

At the Somerville-avenue-Poplar-street connection with the Metropolitan sewer, records compiled from an automatic recording clock placed in the "regulator chamber" on the combined system show this outlet to have been cut off as follows:—

Year 1906, completely closed 289 hours, partly closed 331 hours.

In previous years the following:—

Year 1905,	completely closed	297	hours,	partly closed	548	hours.
" 1904,	"	279	"	"	922	"
" 1903,	"	180	"	"	167	"
" 1902,	"	376	"	"	377	"
" 1901,	"	386	"	"	225	"
" 1900,	"	353	"	"	114	"

The city's assessment for the Metropolitan sewer system for the past year was \$32,339.55 on construction account and \$16,980.42 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$571,809.78 (1894-1906, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.368 miles.

New Work. The construction of the storm drainage system commenced in the year 1905 should be continued in the vicinity of North Somerville, where buildings and new streets are being

rapidly constructed, with no good and permanent means yet provided for taking care of the storm water.

The outlet for this district is through the city of Medford into Mystic river, and negotiations are still pending with the private land owners on the line of Two Penny brook for the permanent drainage and improvement of a large area of adjacent land.

The separate system sewer main is to be extended on the southerly side of Somerville avenue, from Prospect street through Union square, Washington, Hawkins, and Lake streets, at a low grade for draining cellars now flooded occasionally.

Storm drainage should be provided on sections of Mystic avenue.

In the vicinity of Lowell and Vernon streets, some arrangement should be made with the railroad company, whenever the highway bridge is constructed at Lowell street, for providing an outlet for storm water in this locality through the railroad valley, which would be beneficial to both city and railroad.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river. In conjunction with this last proposed work, a readjustment of the present legislative act should be made on a more equitable basis, whereby the amount paid by this city to Cambridge for the maintenance of the Somerville-avenue-Bridge-street sewer would be less and in proportion to the use of the same at the present time, the prevailing conditions being far different from what existed some thirty years ago, when the division of the cost was established.

A special act of the legislature in 1903 authorized the cities of Somerville and Cambridge and the towns of Arlington and Belmont to unite in improving the sanitary condition of Alewife brook within the limits of the referred-to cities and towns, and after considerable preliminary work had been done, it was deemed advisable to suspend operations, as another act was passed by the legislature in 1904 whereby, in conjunction with the Metropolitan Park Commission, the entire length of Alewife brook, together with upper Mystic river in Medford, might be improved far more extensively than at first proposed by the cities and towns originally interested in the matter. A lengthy report has been published by the state authorities showing the existing conditions, but no construction work has been done, and the brook remains in the same unimproved condition. The city's assessment for this contemplated improvement for 1906 amounts to \$253.87. Following tables show itemized cost of sewers constructed in 1906; sewers constructed on the "separate system"; storm drains constructed; size and materials of construction of the city's entire drainage system:—

TABULAR STATEMENT OF SEWERS BUILT IN 1906.

LOCATION.				ITEMS OF CONSTRUCTION AND COST.																					
NAME OF STREET.	FROM	TO	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUB-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost Manholes	Inlets.	PIPE SEWER, COST PER LINEAL FOOT.								Total cost.	Assessment.	Cost to City.
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re-filling, and Pipe Laying.		Price, including Sub-drain where laid.	Inspection.	Miscellaneous.	Lumber.	Average cost per lineal foot.				
															Main Sewer.	Sub-drain.									
Broadway (storm drains)	Connecting Rogers, Jose Lowden aves. with	phine, Willow and Broadway storm-drain	Daniel A. Dorey	Hardpan	12.0	12	220.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	\$0.63	.....	.....	.....	\$1.81	\$400.95	.....	\$400.95
*Bromfield road	Private lands sewer	Near Dearborn road	Bartholomew Burke	Sand	8.5	8	666.8	5	59	1.00	\$4.00	2	\$46.00	54	\$0.48	\$0.20	0.31	\$0.04	.....	.....	0.99	663.15	\$662.82	0.33
*Chestnut	Poplar st.	Southeasterly	Charles A. Kelley	Filling	8.5	8	519.6	.....	.....	.....	.....	2	41.00	39	0.48	.....	0.25	0.08	.....	.....	0.96	500.69	.....	500.69
*Elm	East side	West side	Timothy F. Crimmings	Hardpan and clay	10.0	10	51.3	.....	.....	.....	.....	.....	.....	.....	0.90	.....	0.25	0.07	†\$0.41	.....	1.67	1,604.36	.....	1,604.36
(west side)	Oak square	Mossland st.	Timothy F. Crimmings	Hardpan and clay	8.8	8	910.0	.....	.....	.....	.....	3	44.00	36	0.80	.....	0.25	0.07	.....	.....	1.67	1,604.36	.....	1,604.36
*Everett (north side)	Newton st.	Near Webster ave.	Bartholomew Burke	Sand	9.0	8	306.7	5	86	.....	.....	2	46.00	14	0.65	0.20	0.27	0.06	0.04	\$0.06	1.44	442.03	.....	442.03
Gurney	Highland ave.	Near Cedar st.	Patrick Burke	Hardpan and filling	7.7	10	451.8	5	400	.....	.....	2	37.50	36	0.50	0.20	0.43	0.05	.....	.....	1.33	603.27	509.97	93.30
*Ivaloo (north side) and	Beacon st.	Harrison st.	Bartholomew Burke	Gravel and sand	13.0	10	397.8	.....	.....	.....	.....	2	47.00	14	1.60	.....	0.29	0.06	0.05	.....	1.50	1,585.43	.....	1,585.43
Harrison (n. e. side)	Ivaloo st.	Near Kent st.	Bartholomew Burke	Sand and filling	6.5	8	658.5	.....	.....	0.66	4.60	3	47.00	23	0.43	.....	0.29	0.06	0.05	.....	1.50	1,585.43	.....	1,585.43
*Kent (n. w. side)	Beacon st.	Near Fitchburg R. R.	Daniel A. Dorey	Sand	9.0	8	348.9	.....	.....	.....	.....	2	49.00	12	0.72	.....	0.24	0.07	0.08	.....	1.28	1,454.40	.....	1,454.40
(s. e. side) and	Beacon st.	Harrison st.	Daniel A. Dorey	Sand	9.0	8	134.8	.....	.....	.....	.....	1	49.00	3	0.72	.....	0.24	0.07	0.08	.....	1.28	1,454.40	.....	1,454.40
Harrison (s. w. side)	Kent st.	Ivaloo st.	Daniel A. Dorey	Sand and filling	9.0	8	650.7	.....	.....	.....	.....	1	49.00	21	0.72	.....	0.24	0.07	0.08	.....	1.28	1,454.40	.....	1,454.40
*Linwood (east side)	End of sewer, 1902	London st.	Richard Falvey	Filling and clay	8.7	8	347.8	.....	.....	.....	.....	1	39.00	11	0.57	.....	0.20	0.06	0.02	.....	0.97	336.41	.....	336.41
*Medford (both sides)	Somerville ave.	Washington st.	Timothy F. Crimmings	Hardpan and rock	9.3	12	779.0	.....	.....	.....	.....	.....	.....	28	0.75	.....	0.20	0.03	0.03	0.01	1.39	2,778.01	.....	2,778.01
					9.0	10	178.9	5	117	32.30	5.00	8	44.00	6	0.80	0.20	0.31	0.03	0.03	0.01	1.39	2,778.01	.....	2,778.01
					9.3	8	1035.0	.....	.....	.....	.....	.....	37	0.73	.....	0.20	0.03	0.03	0.01	1.39	2,778.01	.....	2,778.01	
*Nevada ave.	Dane st.	Near Hanson st.	Charles A. Kelley	Sand	6.0	8	287.0	.....	.....	.....	.....	2	46.00	15	0.40	.....	0.25	0.03	0.03	.....	0.99	283.72	.....	283.72
Newberne	Morrison ave.	Near Lex. & Arl. Br. R.R.	Bartholomew Burke	Filling and clay	6.0	10	156.5	.....	.....	.....	.....	1	36.00	7	0.29	.....	0.33	0.03	.....	.....	0.89	138.55	138.55	.....
*Pearson road	Private lands sewer	Near Dearborn road	Timothy F. Crimmings	Sand	8.1	8	653.0	6	225	.....	.....	3	42.00	52	0.45	0.20	0.30	0.08	0.07	0.04	1.20	779.00	765.18	13.82
*Skehan	Dane st.	Near Hanson st.	Charles A. Kelley	Sand	7.0	8	271.1	.....	.....	.....	.....	1	42.00	18	0.44	.....	0.28	0.02	0.04	.....	0.95	256.93	.....	256.93
*Village	Dane st.	Near Vine st.	Charles A. Kelley	Sand	6.0	8	326.0	.....	.....	.....	.....	1	40.00	17	0.38	.....	0.24	0.04	0.02	.....	0.81	263.47	.....	263.47
*Vine (south side)	Beacon st.	Near Fitchburg R. R.	Charles A. Kelley	Sand	8.0	8	192.9	.....	.....	.....	.....	.....	.....	12	0.65	0.20	0.34	0.08	0.01	0.19	1.46	1,173.98	.....	1,173.98
					8.0	10	609.1	5	172	.....	.....	3	40.00	40	0.65	.....	0.26	0.06	.....	.....	1.38	424.88	424.73	0.15
*Warner	Pearson road	Near Bromfield road	Daniel A. Dorey	Hardpan and rock	7.8	8	308.0	.....	.....	75.40	2.25	1	34.00	16	0.40	.....	0.26	0.06	.....	.....	1.38	424.88	424.73	0.15
*Washington	S. side at Waverly st.	North side	James H. Fannon	Hardpan	10.5	12	60.0	.....	.....	.....	.....	.....	.....	.....	0.99	.....	0.42	0.08	0.02	0.02	1.90	2,839.68	.....	2,839.68
(north side)	Crescent st.	Franklin st.	James H. Fannon	Hardpan	10.0	10	766.2	.....	.....	9.40	3.50	3	42.00	27	0.89	.....	0.42	0.08	0.02	0.02	1.90	2,839.68	.....	2,839.68
					10.5	12	668.8	.....	.....	.....	.....	4	42.00	21	0.99	.....	0.42	0.08	0.02	0.02	1.90	2,839.68	.....	2,839.68
11,957.1 (2.265 miles.)																						\$16,528.91	\$2,501.25	\$14,027.66	

* Separate system sewer.

† Includes relaying sidewalk.

Total length of sewers built by the city, January 1, 1907	438,338.9 feet.
Total length of private sewers in the city, January 1, 1907	34,627.0 feet.
Total length of sewers in the city, January 1, 1907	472,965.9 feet, or 89.577 miles. (22.223 miles separate system.)
Total length of storm drains in the city, January 1, 1907	29,819.2 feet, or 5.648 miles.
Total length of the city drainage system, January 1, 1907	95,225 miles.
Total length of Met. sewerage system mains running through the city	3.368 miles.

COMPILED TABLE SHOWING LENGTH AND COST OF SEPARATE SYSTEM SEWERS CONSTRUCTED TO 1907.

DATE OF CONSTRUCTION.	STREET.	FROM	TO	LENGTH IN FEET.	COST BY YEARS.
1899	Adrian st. (both sides)	Joseph st.	Marion st.	1,203.2	
1902	Allen st.	Old sewer changed to separate	system sewer	643.0	
1896	Ash ave.	Meacham st.	Northeasterly	302.0	
1896	Ash ave.	East Albion st.	Southwesterly	288.5	
1900	Bay State ave.	Mallet st.	Northerly and southerly	448.5	
1900	Bay State ave.	Kidder ave.	Northerly and southerly	518.5	1896
1902	Beach ave.	Columbia st.	Near Webster ave.	186.9	\$42,029 39
1902-'05	Beacon st. (northeast side)	Southeast side Washington st.	Stanford ter.	3,089.9	
1903	Beacon st. (southwest side)	Kent st.	Harris st.	1,403.3	
1902	Beckwith circle	Beacon st.	Southwesterly	101.8	
1899	Bolton st. (both sides)	Oak st.	Houghton st.	962.3	
1896-'05	Boston ave.	Medford line	Pritchard ave.	911.0	
1889	Bowdoin st.	Old sewer changed to separate	system sewer	305.0	
1896	Broadway	Boston ave.	Willow ave.	377.3	
1896	Broadway	Winchester st.	Cedar st.	380.0	
1896	Broadway	Cedar st.	Southeasterly	370.5	
1897	Broadway	Willow ave.	Bay State ave.	480.5	
1898	Broadway	Alewife brook	About 70 ft. S. E. Weston ave.	1,847.1	
1905-'06	Bromfield rd.	Near Warner st.	Near Dearborn rd.	1,098.4	1897
1896	Cameron ave.	Seven Pines ave.	Northeasterly	532.0	\$573 78
1896	Cedar st.	Broadway	Near Boston & Lowell railroad	412.8	
1906	Chestnut st.	Poplar st.	Southeasterly	519.6	
1900	Clark st. and Lincoln park	Newton st.	Washington st.	1,149.6	
1896-'03	College ave.	Private lands	Near Warner st.	593.0	
1901	Columbia st.	Webster ave.	Near Cambridge line	797.6	
1899	Concord ave. (north side)	Newton st.	Springfield st.	553.8	
1899	Concord ave. (north side)	Prospect st.	Near Concord sq.	510.0	
1899	Concord ave. (south side)	Prospect st.	Springfield st.	986.2	
1900	Conwell ave.	North st.	Near Curtis st.	1,276.6	
1904	Dane ave. (both sides)	Leland st.	Near Dane st.	1,105.5	
1901	Dane st. (east side)	Washington st.	Fitchburg railroad	729.2	
1901	Dane st. (west side)	Washington st.	Tyler st.	997.3	1898
1902	Dearborn rd.	Boston ave.	Near Bromfield rd.	198.5	\$28,627 15
1905	Dell st. (northeast side)	Glen st.	Angle near Tufts st.	342.5	
1899	Dickinson st. (both sides)	Springfield st.	Near Cambridge line	1,437.4	
1905	Dickson st.	Broadway	Northerly	211.0	
1896	East Albion st.	Ash ave.	Medford line	648.5	
1906	Elm st. (west side)	Oak sq.	Mossland st.	961.3	
1896	Elmwood st.	Tannery Brook sewer	Southwesterly and northeasterly	634.6	
1903	Elmwood ter.	Elmwood st.	Easterly	201.4	
1898-'02	Endicott ave.	Broadway	Southwesterly	478.0	
1906	Everett st. (north side)	Newton st.	Near Webster ave.	306.7	
1898	Farragut ave.	Woodstock st.	Broadway	957.5	
1905	Fountain ave. (both sides)	Glen st.	Northwesterly	534.4	
1902-'05	Franklin st. (westerly side)	Washington st.	Oliver st.	785.9	1899
1887	Fremont ave.	Old sewer changed to separate	system sewer	89.0	\$15,931 52
1896	Fremont st.	Mystic ave.	Near East Albion st.	234.8	
1896	Fremont st.	East Albion st.	Main st.	1,229.5	
1898	Garrison ave.	Proposed st.	Near Broadway	828.5	
1905	Glen st. (southeast side)	Fountain ave.	Dell st.	124.8	
1896	Glendale ave.	Yorktown st.	Near Cameron ave.	334.1	
1896	Gorham st.	Howard st.	Northeasterly	569.6	
1896	Hanson ave.	Old sewer changed to separate	system sewer	226.8	
1901	Hanson st.	Washington st.	Near Vine st.	733.6	
1905	Harris st.	Beacon st.	Southwesterly	125.5	
1902	Harrison st.	Elmwood st.	Southeasterly	194.0	
1906	Harrison st. (both sides)	Ivaloo st.	Kent st.	1,309.2	
1899	Houghton st. (both sides)	Springfield st.	Near Cambridge line	992.1	1900
1906	Ivaloo st. (north side)	Beacon st.	Harrison st.	397.8	\$39,427 69
1896	Jay st.	Howard st.	Northeasterly	329.9	
1899-'05	Joseph st. (both sides)	Newton st.	Near Lincoln park	804.7	
1900	Josephine ave.	Broadway	South of Frederick ave.	1,301.5	
1906	Kent st. (both sides)	Beacon st.	(n. w. side) near R. R. (s. e. side) Harrison st.	483.7	
1900	Kidder ave.	Lowden ave.	Bay State ave.	226.0	
1902	Laurel st.	Somerville ave.	Park pl.	239.2	
1904	Leland st.	Washington st.	Dane ave.	393.0	
1905	Lincoln parkway (south side)	Joseph st.	Westerly	382.0	
1902	Linden st.	Somerville ave.	Near Charlestown st.	598.3	
1902-'06	Linwood st. (both sides)	Near Somerville ave.	Near Washington st.	2,798.5	
1900	Lowden ave.	Broadway	Near Fosket st.	1,189.6	1901
1902	Main st.	Fremont st.	Near Moreland st.	180.7	\$11,489 31
1900	Mallet st.	Lowden ave.	Bay State ave.	240.0	
1896	Malvern ave.	Yorktown st.	Near Cameron ave.	333.5	
1903	Maple st.	Old sewer changed to separate	system sewer	598.0	
1899	Marion st.	Wyatt st.	Near Concord ave.	917.0	
1902	Marion st. (west of Wyatt st.)	Old sewer changed to separate	system sewer	194.0	
1896	Meacham st.	Moreland st.	Ash ave.	215.7	
1896	Meacham st.	Fremont st.	Medford line	141.5	
1901	Meacham st.	Moreland st.	Near Fremont st.	206.0	
1896	Medford st.	N. P. & P. Co.'s drive	N. E. D. M. & W. Co.'s drive	96.3	
1906	Medford st. (both sides)	Somerville ave.	Washington st.	1,992.9	
1902	Merriam st.	Somerville ave.	Near Charlestown st.	499.0	
1896-'98	Moreland st.	Mystic ave.	Near Heath st.	1,319.9	1902
1896	Mystic ave.	Moreland st.	Fremont st.	286.6	\$23,417 57
1906	Mystic ave.	Winthrop ave.	Wheatland st.	714.8	
1906	Nevada ave.	Dane st.	Near Hanson st.	287.0	
1899	Newton st. (north side)	Prospect st.	Concord ave.	1,158.6	
1899	Newton st. (south side)	Webster ave.	Near Concord sq.	605.5	
1901	Norfolk st. (both sides)	Webster ave.	Near Cambridge line	601.4	
1898-'05	North st.	Russell rd.	Conwell ave.	734.3	
1899	Oak st. (both sides)	Prospect st.	Near Cambridge line	2,376.7	
1905	Oliver st. (southerly side)	Franklin st.	West of Glen st.	742.2	
1902-'05	Palmer ave. (both sides)	Franklin st.	City playground	351.9	
1886	Parker st.	Old sewer changed to separate	system sewer	240.0	
1896	Passageway off Broadway	Broadway	Southwesterly	221.1	
1902-'06	Pearson rd.	Near Dearborn rd.	Near Broadway	1,569.2	1903
1899	Perry st.	Washington st.	Southerly	325.0	\$3,619 10
1902	Poplar st.	Somerville ave.	Joy st.	733.7	
1904	Porter st. (both sides)	Elm st.	Northeasterly	257.0	
1904	Powder Ho. boul. (both sides)	North st.	Near Curtis st.	2,359.0	
1896	Private lands	Medford line	College ave.	421.5	
1896	Private lands	Somerville ave. Met. Con.	Medford st.	175.5	
1898	Private lands	Alewife brook	North st.	405.0	
1905	Private lands	Palmer ave.	Fountain ave.	314.9	
1899	Prospect st.	Somerville ave.	Newton st.	68.4	
1899-'00	Prospect st. (both sides)	Webster ave.	Near Cambridge line	2,056.9	
1898	Raymond ave.	North st.	Southeasterly	1,194.5	
1900	Rogers ave.	Broadway	Near Frederick ave.	962.4	
1904-'05	Russell rd.	Broadway	North st.	1,178.6	1904
1906	Skehan st.	Dane st.	Near Hanson st.	271.1	\$6,392 44
1898-'00	Somerville ave. (north side)	Franklin ct.	Linden ave.	9,935.3	
1896-'05	Somerville ave. (south side)	Opposite Poplar st.	East Cambridge line	2,008.9	
1900	Somerville ave. (south side)	Laurel st.	Opposite Craigie	2,261.7	
1901	Somerville ave. (south side)	Prospect st.	Malloy ct.	1,263.8	
1899	Springfield st. (both sides)	Concord ave.	Near Cambridge line	1,494.8	
1896	Tannery brook	Clarendon ave.	84 ft. east of Thorndike st.	3,907.9	
1896	Thorndike st.	Howard st.	Southwesterly and northeasterly	251.2	
1901	Tremont st.	Webster ave.	Near Cambridge line	638.6	
1902	Tyler st.	Dane st.	Vine st.	410.8	
1900	Upland park	Broadway	Southwesterly	195.2	
1898	Victoria st.	Woodstock st.	Near Broadway	847.4	
1906	Village st.	Dane st.	Near Vine st.	326.0	1905
1906	Vine st. (south side)	Beacon st.	Near Fitchburg railroad	802.0	\$9,633 54
1904	Ware st.	Powder-house boul.	S'w'y and in Ware st. E. and W.	464.6	
1906	Warner st.	Pearson rd.	Near Bromfield rd.	308.0	
1900-'05	Washington st. (both sides)	Lincoln park	Beacon st.	3,681.4	
1900	Washington st.	South side	North side	48.3	
1902	Washington st. (south side)	Waverly st.	Franklin st.	1,338.0	
1904	Washington st. (south side)	Webster ave.	Near Fitchburg railroad	455.9	
1906	Washington st. (north side)	Crescent st.	Franklin st.	1,495.0	
1898	Waterhouse st.	Woodstock st.	Near Broadway	791.2	
1902	Watson st.	Broadway	Near Fairmount ave.	212.6	
1902	Waverly st.	Met. Con., at Roland st.	Washington st.	215.9	
1897-'04	Webster ave. (both sides)	Union sq.	Near Cambridge line	4,795.5	
1896	Willow ave.	Broadway	Near Fosket st.	997.9	1906
1896	Wilson ave.	Broadway	Southwesterly	314.8	\$15,386 14
1896	Winchester st.	Medford line	Broadway	102.7	
1898	Woodstock st., private lands, and proposed st.	Metropolitan sewer	Garrison ave.	860.9	
1902	Wyatt cir.	Garrison ave.	Farragut ave.	76.9	
1896	Yorktown st.	Wyatt st.	Westerly	367.8	
		Cambridge line	Northeasterly		

Total length and cost to January 1, 1907 (22,223 miles) 117,332.6 \$196,527.63

COMPILED TABLE SHOWING LENGTH AND COST OF SEPARATE SYSTEM SEWERS CONSTRUCTED TO 1907.

DATE OF CONSTRUCTION.	STREET.	FROM	To	LENGTH IN FEET.	COST BY YEARS.
1899	Adrian st. (both sides)	Joseph st.	Marion st.	1,203.2	
1902	Allen st.	Old sewer changed to separate	system sewer	643.0	
1896	Ash ave.	Meacham st.	Northeasterly	302.0	
1896	Ash ave.	East Albion st.	Southwesterly	288.5	
1900	Bay State ave.	Mallet st.	Northerly and southerly	448.5	
1900	Bay State ave.	Kidder ave.	Northerly and southerly	518.5	
1902	Beach ave.	Columbia st.	Near Webster ave.	186.9	1896
1902-'05	Beacon st. (northeast side)	Southeast side Washington st.	Stanford ter.	3,089.9	\$42,029 39
1903	Beacon st. (southwest side)	Kent st.	Harris st.	1,403.3	
1902	Beckwith circle	Beacon st.	Southwesterly	101.8	
1899	Bolton st. (both sides)	Oak st.	Houghton st.	962.3	
1896-'05	Boston ave.	Medford line	Pritchard ave.	911.0	
1889	Bowdoin st.	Old sewer changed to separate	system sewer	305.0	
1896	Broadway	Boston ave.	Willow ave.	377.3	
1896	Broadway	Winchester st.	Cedar st.	380.0	
1896	Broadway	Cedar st.	Southeasterly	370.5	
1897	Broadway	Willow ave.	Bay State ave.	480.5	
1898	Broadway	Alewife brook	About 70 ft. S. E. Weston ave.	1,847.1	
1905-'06	Bromfield rd.	Near Warner st.	Near Dearborn rd.	1,098.4	1897
1896	Cameron ave.	Seven Pines ave.	Northeasterly	532.0	\$573 78
1896	Cedar st.	Broadway	Near Boston & Lowell railroad	412.8	
1906	Chestnut st.	Poplar st.	Southeasterly	519.6	
1900	Clark st. and Lincoln park	Newton st.	Washington st.	1,149.6	
1896-'03	College ave.	Private lands	Near Warner st.	593.0	
1901	Columbia st.	Webster ave.	Near Cambridge line	797.6	
1899	Concord ave. (north side)	Newton st.	Springfield st.	553.8	
1899	Concord ave. (north side)	Prospect st.	Near Concord sq.	510.0	
1899	Concord ave. (south side)	Prospect st.	Springfield st.	936.2	
1900	Conwell ave.	North st.	Near Curtis st.	1,276.6	
1904	Dane ave. (both sides)	Leland st.	Near Dane st.	1,105.5	
1901	Dane st. (east side)	Washington st.	Fitchburg railroad	729.2	
1901	Dane st. (west side)	Washington st.	Tyler st.	997.3	
1902	Dearborn rd.	Boston ave.	Near Bromfield rd.	198.5	1898
1905	Dell st. (northeast side)	Glen st.	Angle near Tufts st.	342.5	\$28,627 15
1899	Dickinson st. (both sides)	Springfield st.	Near Cambridge line	1,437.4	
1905	Dickson st.	Broadway	Northerly	211.0	
1896	East Albion st.	Ash ave.	Medford line	648.5	
1906	Elm st. (west side)	Oak sq.	Mossland st.	961.3	
1896	Elmwood st.	Tannery Brook sewer	Southwesterly and northeasterly	634.6	
1903	Elmwood ter.	Elmwood st.	Easterly	201.4	
1898-'02	Endicott ave.	Broadway	Southwesterly	478.0	
1906	Everett st. (north side)	Newton st.	Near Webster ave.	306.7	
1898	Farragut ave.	Woodstock st.	Broadway	957.5	
1905	Fountain ave. (both sides)	Glen st.	Northwesterly	534.4	
1902-'05	Franklin st. (westerly side)	Washington st.	Oliver st.	785.9	1899
1887	Fremont ave.	Old sewer changed to separate	system sewer	89.0	\$15,931 52
1896	Fremont st.	Mystic ave.	Near East Albion st.	234.8	
1896	Fremont st.	East Albion st.	Main st.	1,229.5	
1898	Garrison ave.	Proposed st.	Near Broadway	828.5	
1905	Glen st. (southeast side)	Fountain ave.	Dell st.	124.8	
1896	Glendale ave.	Yorktown st.	Near Cameron ave.	334.1	
1896	Gorham st.	Howard st.	Northeasterly	569.6	
1896	Hanson ave.	Old sewer changed to separate	system sewer	226.8	
1901	Hanson st.	Washington st.	Near Vine st.	733.6	
1905	Harris st.	Beacon st.	Southwesterly	125.5	
1902	Harrison st.	Elmwood st.	Southeasterly	194.0	
1906	Harrison st. (both sides)	Ivaloo st.	Kent st.	1,309.2	
1899	Houghton st. (both sides)	Springfield st.	Near Cambridge line	992.1	1900
1906	Ivaloo st. (north side)	Beacon st.	Harrison st.	397.8	\$39,427 69
1896	Jay st.	Howard st.	Northeasterly	329.9	
1899-'05	Joseph st. (both sides)	Newton st.	Near Lincoln park	804.7	
1900	Josephine ave.	Broadway	South of Frederick ave.	1,301.5	
1906	Kent st. (both sides)	Beacon st.	(n. w. side) near R. R. (s. e. side) Harrison st.	483.7	
1900	Kidder ave.	Lowden ave.	Bay State ave.	226.0	
1902	Laurel st.	Somerville ave.	Park pl.	239.2	
1904	Leland st.	Washington st.	Dane ave.	393.0	
1905	Lincoln parkway (south side)	Joseph st.	Westerly	382.0	
1902	Linden st.	Somerville ave.	Near Charlestown st.	598.3	
1902-'06	Linwood st. (both sides)	Near Somerville ave.	Near Washington st.	2,798.5	
1900	Lowden ave.	Broadway	Near Fosket st.	1,189.6	1901
1902	Main st.	Fremont st.	Near Moreland st.	180.7	\$11,489 31
1900	Mallet st.	Lowden ave.	Bay State ave.	240.0	
1896	Malvern ave.	Yorktown st.	Near Cameron ave.	333.5	
1903	Maple st.	Old sewer changed to separate	system sewer	598.0	
1899	Marion st.	Wyatt st.	Near Concord ave.	917.0	
1902	Marion st. (west of Wyatt st.)	Old sewer changed to separate	system sewer	194.0	
1896	Meacham st.	Moreland st.	Ash ave.	215.7	
1896	Meacham st.	Fremont st.	Medford line	141.5	
1901	Meacham st.	Moreland st.	Near Fremont st.	206.0	
1896	Medford st.	N. P. & P. Co.'s drive	N. E. D. M. & W. Co.'s drive	96.3	
1906	Medford st. (both sides)	Somerville ave.	Washington st.	1,992.9	
1902	Merriam st.	Somerville ave.	Near Charlestown st.	499.0	
1896-'98	Moreland st.	Mystic ave.	Near Heath st.	1,319.9	1902
1896	Mystic ave.	Moreland st.	Fremont st.	286.6	\$23,417 57
1896	Mystic ave.	Winthrop ave.	Wheatland st.	714.8	

1896	Mystic ave.	Moreland st.	Fremont st.	286.6	\$23,417 57
1896	Mystic ave.	Winthrop ave.	Wheatland st.	714.8	
1906	Nevada ave.	Dane st.	Near Hanson st.	287.0	
1899	Newton st. (north side)	Prospect st.	Concord ave.	1,158.6	
1899	Newton st. (south side)	Webster ave.	Near Concord sq.	605.5	
1901	Norfolk st. (both sides)	Webster ave.	Near Cambridge line	601.4	
1898-'05	North st.	Russell rd.	Conwell ave.	734.3	
1899	Oak st. (both sides)	Prospect st.	Near Cambridge line	2,376.7	
1905	Oliver st. (southerly side)	Franklin st.	West of Glen st.	742.2	
1902-'05	Palmer ave. (both sides)	Franklin st.	City playground	351.9	
1886	Parker st.	Old sewer changed to separate	system sewer	240.0	
1896	Passageway off Broadway	Broadway	Southwesterly	221.1	
1902-'06	Pearson rd.	Near Dearborn rd.	Near Broadway	1,569.2	1903
1889	Perry st.	Washington st.	Southerly	325.0	\$3,619 10
1902	Poplar st.	Somerville ave.	Joy st.	733.7	
1904	Porter st. (both sides)	Elm st.	Northeasterly	257.0	
1904	Powder Ho. boul. (both sides)	North st.	Near Curtis st.	2,359.0	
1896	Private lands	Medford line	College ave.	421.5	
1896	Private lands	Somerville ave. Met. Con.	Medford st.	175.5	
1898	Private lands	Alewife brook	North st.	405.0	
1905	Private lands	Palmer ave.	Fountain ave.	314.9	
1899	Prospect st.	Somerville ave.	Newton st.	68.4	
1899-'00	Prospect st. (both sides)	Webster ave.	Near Cambridge line	2,056.9	
1898	Raymond ave.	North st.	Southeasterly	1,194.5	
1900	Rogers ave.	Broadway	Near Frederick ave.	962.4	
1904-'05	Russell rd.	Broadway	North st.	1,178.6	1904
1906	Skehan st.	Dane st.	Near Hanson st.	271.1	\$6,392 44
1898-'00	Somerville ave. (north side)	Franklin ct.	Linden ave.	9,935.3	
1896-'05	Somerville ave. (south side)	Opposite Poplar st.	East Cambridge line	2,008.9	
1900	Somerville ave. (south side)	Laurel st.	Opposite Craigie	2,261.7	
1901	Somerville ave. (south side)	Prospect st.	Malloy ct.	1,263.8	
1899	Springfield st. (both sides)	Concord ave.	Near Cambridge line	1,494.8	
1896	Tannery brook	Clarendon ave.	84 ft. east of Thorndike st.	3,907.9	
1896	Thorndike st.	Howard st.	Southwesterly and northeasterly	251.2	
1901	Tremont st.	Webster ave.	Near Cambridge line	638.6	
1902	Tyler st.	Dane st.	Vine st.	410.8	
1900	Upland park	Broadway	Southwesterly	195.2	
1898	Victoria st.	Woodstock st.	Near Broadway	347.4	
1906	Village st.	Dane st.	Near Vine st.	326.0	1905
1906	Vine st. (south side)	Beacon st.	Near Fitchburg railroad	802.0	\$9,633 54
1904	Ware st.	Powder-house boul.	S'w'ly and in Ware st. E. and W.	464.6	
1906	Warner st.	Pearson rd.	Near Bromfield rd.	308.0	
1900-'05	Washington st. (both sides)	Lincoln park	Beacon st.	3,681.4	
1900	Washington st.	South side	North side	48.3	
1902	Washington st. (south side)	Waverly st.	Franklin st.	1,338.0	
1904	Washington st. (south side)	Webster ave.	Near Fitchburg railroad	455.9	
1906	Washington st. (north side)	Crescent st.	Franklin st.	1,495.0	
1898	Waterhouse st.	Woodstock st.	Near Broadway	791.2	
1902	Watson st.	Broadway	Near Fairmount ave.	212.6	
1902	Waverly st.	Met. Con., at Roland st.	Washington st.	215.9	
1897-'04	Webster ave. (both sides)	Union sq.	Near Cambridge line	4,795.5	
1896	Willow ave.	Broadway	Near Fosket st.	997.9	1906
1896	Wilson ave.	Broadway	Southwesterly	314.8	\$15,386 14
1896	Winchester st.	Medford line	Broadway	102.7	
1898	Woodstock st., private lands, and proposed st.	Metropolitan sewer	Garrison ave.	860.9	
1902	Wyatt cir.	Wyatt st.	Farragut ave.	76.9	
1896	Yorktown st.	Cambridge line	Westerly	367.8	
			Northeasterly		

Total length and cost to January 1, 1907 (22.223 miles) . . . 117,332.6 \$196,527.63

COMPILED TABLE SHOWING LENGTH AND COST OF STORM DRAINS CONSTRUCTED TO 1907.

DATE OF CON- STRUCTION.	DISTRICT BENEFITED.	FROM	TO	LENGTH IN FEET.	COST.
East Somerville District:					
1902	Boston & Maine R. R. (marsh land)	Middlesex ave.	Mystic river	1,108.0	By B. & M. R. R.
1902-'03	Middlesex ave. (tidegate chamber)	Winthrop ave. extension	B. & M. railroad land	24.0	\$2,988 60
1903	Middlesex av. & Winthrop av. ext'n	B. & M. land on Middlesex ave.	Mystic ave.	880.4	17,596 35
1900-'03	Mystic ave. and Winthrop ave. . .	Bell Mouth chamber	Wheatland st.	58.2	2,470 82
1897	Mystic ave.	Winthrop ave.	Broadway	726.0	7,569 17
1897	Winthrop ave.	Mystic ave.	Broadway	1,268.0	19,241 53
1898	Winth'p av. (including Bell Mouth)	End of drain built in 1897	Broadway	25.7	755 67
1898	Broadway	Winthrop ave.	Sargent ave.	1,648.6	14,566 77
1898	Sargent ave.	Broadway	Sherman ct.		
1898	Sherman ct.	Sargent ave.	Marshall st.		
1898	Marshall st.	Sherman ct.	Gilman sq.	2,126.1	20,900 26
1898	Gilman sq.	Marshall st.	Medford st.		
1898	Medford st.	Gilman sq.	School st.		
1900	School st.	Medford st.	Richdale ave.	451.0	532 37
1900	Richdale ave.	School st.	Northwest of Essex st.		
1898	Broadway	Winthrop ave.	Cross st.		
1898	Cross st.	Broadway	Pearl st.	1,377.5	15,741 27
1899	Otis st.	Cross st.	Westerly	375.0	174 55
Lowell Railroad Valley District:					
1902	Murray st.	Washington st.	Southerly	140.0	125 21
1896-'99	Private lands (west of Lowell st.) .	Lex. & Arl. Branch railroad	Hudson st.	865.0	1,853 46
1904	Lowell st.	Albion st.	Hudson st.	246.0	140 90
1903	Vernon st.	Glenwood road	Trull st.	372.0	531 42
Somerville Avenue District:					
1903	Maple st.	Poplar st.	Near Medford st.	608.5	625 64
1902	Linden st.	Old sewer changed to storm drain	drain	626.0	. . . . .
1902	Merriam st.	Old sewer changed to storm drain	drain	547.0	. . . . .
1902	Allen st.	Somerville ave.	Near Charlestown st.	557.0	1,080 23
1902	Prospect Hill parkway	Columbus ave.	Northerly	262.0	343 72
1898	Union sq.	Washington st.	Bow st.	2,080.8	18,259 94
1898	Bow st.	Union sq.	Summer st.		
1898	Summer st.	Bow st.	School st.		
1899	School st.	Summer st.	Berkeley st.	438.0	981 90
1904	Vine st.	Somerville ave.	Southwesterly	130.0	222 78
1901	Somerville ave.	Spring st.	Lowell st.	705.0	1,432 96
1901-'04	Cedar st.	Southwest of Sartwell ave.	Highland ave.	1,443.2	5,428 96
North Somerville District:					
1905	Pearson rd.	Two Penny brook	Broadway	1,775.1	6,630 35
1905	Broadway	Pearson rd.	Boston ave.		
1904	Broadway	Josephine ave.	Boston & Lowell railroad	504.0	692 54
1906	Broadway, connecting Rogers, Wil	low, Josephine, and Lowden aves.	with Broadway storm-drain	220.9	400 95
Tannery Brook Valley District:					
1898-'03	Tannery Brook drain (in Camb.) . .	Near Alewife brook	Clarendon ave.	657.3	2,533 73
1896	Tannery Brook drain	Clarendon ave. (in Cambridge)	Davis sq.	3,144.0	*31,942 76
1901	Lex. & Arl. Branch R. R. location	Holland st.	Willow ave. & Morrison ave.	2,135.2	10,031 61
1904	Yorktown st.	Tannery Brook drain	Glendale ave.	251.0	149 73
1896	Cameron ave.	Tannery Brook drain	Northerly	170.0	115 72
1904	Cameron ave.	Tannery Brook drain	Mead st.	614.5	1,726 89
1896	Gorham st.	Tannery Brook drain	Northerly	285.0	196 24
1896	Jay st.	Tannery Brook drain	Northerly	155.0	87 38
1898	Day st.	Davis sq.	Westerly	318.2	360 90
Total length and cost (5.648 miles)				29,819.2	\$188,433 28

*Land damages excepted.

Compiled Table Showing Various Forms and Sizes, Materials of Construction and Lengths of the City's Drainage System.

SIZE IN INCHES.	PIPE, FEET.	BRICK, FEET.	BRICK, STONE, FEET.	BRICK, CONCRETE, FEET.	WOOD, FEET.	WOOD, BRICK, FEET.	STONE, CONCRETE, FEET.	CONCRETE, FEET.	STONE, FEET.	IRON, PIPE, FEET.
6	6,802	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
8	118,023.8	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	100
9	258	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
10	58,711.6	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	40
10 x 12	190	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
12	116,609.7	. . . . .	290	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
12 x 12	335	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
12 x 14	198	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
13 x 16	426	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
15	15,124	17,466	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
14 x 18	500	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
13½ x 20	1,762	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
16	126
16 x 16	578	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
15 x 20	380	875	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
15 x 22	250	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
15 x 22½	250	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
18	4,619	18,853	908	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
16 x 21	462	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
16 x 22	1,200	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
17 x 17	289	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
17 x 21	230	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
16 x 24	851	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
17 x 24	17,204	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
20	4,183	10,121	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
17 x 26	1,258	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
18 x 24	134	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
18 x 27	1,051	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
20 x 24	313	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
19 x 26	600	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
24	9,474	13,249	556	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
20 x 30	1,889	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
24 x 28	5,417	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
26	1,703	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
22 x 33	5,071	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
24 x 30	63	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	700	. . . . .
28	1,918	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
30	1,386	5,240	. . . . .	. . . . .	65	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
24 x 36	2,645	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
26 x 39	2,623	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
36	8,011	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
36 x 38	2,803	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
30 x 45	2,873	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
35 x 44	727	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
40	618	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
36 x 48	370	. . . . .
42	4,666	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
39 x 52	444	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
48	7,686	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
50	725	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
48 x 52	1,468	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
42 x 60	471	. . . . .	. . . . .	. . . . .	. . . . .
51	1,326	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
48 x 60	642	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
54	1,899	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
56	1,174	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
60	926	. . . . .	. . . . .	. . . . .	872	. . . . .	. . . . .	. . . . .	. . . . .
62	732	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
48 to 84	657	. . . . .	. . . . .	. . . . .
48 x 84	848	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
66	1,902	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
48 x 86	187	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
72	1,487	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
84	1,219	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
78 x 78	1,108	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
85 x 90	1,267	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
96	1,165	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
90 x 120	900	. . . . .	. . . . .
104¾ x 111	12	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
132 x 132	20	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Totals	335,201.1	152,455	6,575	3,145	1,173	1,343	657	900	1,070	266

Total length of the city drainage system, January 1, 1907, 502,785.1 feet, or 95.225 miles.

Sewers Maintenance Account.**STATEMENT OF EXPENSES, 1906.**

Maintenance of sewers, including cleaning and flushing (95 miles)	\$3,734 23	
Maintenance of catch basins, cleaning and flushing (1,416)	5,469 51	
Changing line and grade and repairing catch basins	847 32	
Changing line and grade and repairing man-holes	299 44	
Repairing old sewers	405 07	
Inspection and location of house drains	373 17	
New tools and supplies	207 78	
Repairs of tools and property	108 81	
Sundry expenses, car fares, telephone, books, etc.	133 87	
Maintenance of sewer department yards and buildings	364 37	
Work and materials furnished other departments and companies	906 66	
	<hr/>	
Total debit		\$12,850 23
CREDIT.		
Appropriation	\$12,000 00	
Amounts received from other departments and companies, labor, materials furnished	906 66	
Sale of old hose, iron, etc.	19 25	
	<hr/>	
Total credit		\$12,925 91
		<hr/>
Balance unexpended		\$75 68
Value of tools and property on hand used in maintenance of sewers	\$969 08	

A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system.

About 9,000 cubic yards have been removed from the catch basins and sewers during the year, and the average cost per mile for this cleaning and maintaining has amounted to \$96.88.

Ninety-five catch basins and sixty-three manholes have been repaired and grade or line changed.

A number of repairs have been made on some of the old sewers, alterations made in the outlets, and overflows and extra manholes built for the purpose of improving the system.

Three hundred and fifty-six permits have been issued to licensed drain layers for connecting buildings with the main sewers, forty being for repairs; all of the work being done under the supervision of the city's inspector. There are to date about 13,431 private drain connections with the city's drainage system.

During the year the sewer department has done considerable miscellaneous work for other city departments and outside companies where alterations and new construction work has been required, furnishing materials and labor, and being reimbursed for the same to the amount of \$906.66.

PUBLIC GROUNDS DEPARTMENT.

At the present time there are seventeen separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 62.2 acres, and also a boulevard about one and one-third miles in length maintained by the city; included in this total area are playgrounds where the land is owned by private parties and leased to the city, for use, in the following localities: On Winthrop avenue (Fellsway east), two and one-half acres; Knowlton street, one and one-half acres; and the Broadway athletic field in West Somerville, 4.4 acres.

There are a number of vacant lots in the city, owned by private parties, large enough for the purpose of establishing recreation grounds and breathing spaces, which undoubtedly could be obtained for short term leases by payment of the taxes to the owner of the property, and be of great benefit to a large number of children in the congested parts of the city.

The larger areas, Broadway, Central hill, Prospect hill, Lincoln and Tufts parks, have been policed by regular officers from the police department, when required, the expense being paid from the police appropriation: trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating when the weather was favorable.

Six fields have been maintained for baseball and three for football playing, and are constantly in use by the many athletic teams, the games being arranged for and scheduled on the various grounds throughout the season. An outdoor gymnasium, two bicycle and running tracks, and three tennis courts have been maintained, and are a source of much enjoyment for a large number of people.

At the annual Thanksgiving-day football game between teams representing the Somerville and Cambridge high schools played on the enclosed athletic field, West Somerville, there were about 8,000 people in attendance, and as an admission is charged by the Somerville High School Association at their contests, a portion of the cost of maintaining this field should be paid for by the association.

A charge of \$200.91 has been rendered for proportional part of maintenance and repairs during the year 1906.

A six-inch water supply main should be laid, with a hydrant located inside this athletic field, to be used for flooding the field in winter, and also for fire protection.

The playground located at the corner of Broadway and Cedar street has been completely graded, making two large ball fields. The embankment along Broadway has been planted with

shrubs and trees, and the grade of the roadway raised on the westerly side of the grounds and the drainage improved.

The westerly end of Lincoln park has been filled and graded to the same elevation as the rest of the playground, and this area can be laid out as another ball field. A swimming pool having an area of not over 4,000 square feet could be constructed with a concrete bottom and side walls at a small cost, and would be both a source of much enjoyment and beneficial to a very large number of children in the immediate vicinity of Lincoln park.

A new high board fence has been constructed on the westerly boundary line of the Somerville-avenue cemetery lot, the American Tube Works paying a portion of the cost of same, having recently purchased all the adjoining property.

On Central-hill park considerable grading has been done, and walks changed where the addition was made to the high school buildings. Many of the walks on this park should be reconstructed.

About seventy-five feet of the easterly end of the present Broadway parkway, located in the centre of Broadway, is to be cut off and alterations made to conform to the highway improvements in conjunction with removal of poles and burying the wires underground.

The city has lost the use of the Gurney estate, situated at the corner of Highland avenue and Cedar street, which has been maintained as a playground, the owners refusing the use of same, and a sewer has been constructed on this property for the drainage of house lots.

The city's assessment for Metropolitan parks and boulevards for the year 1906 amounted to \$11,120.19 on construction account, and \$10,744.99 being the proportional cost for maintaining the same; in addition to this, the city's special assessment for the newly-constructed Wellington bridge, across Mystic river on the line of the Metropolitan parkway, amounted to \$8,059.54 on construction account, and \$1,204.78 for maintenance. Somerville pays a separate assessment, together with four other cities, of twelve and one-half per cent. of the cost of construction and maintenance of this new bridge, besides the proportional part of the Metropolitan park district assessment; the total of the above assessments amounting to \$31,129.50, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1906. The length of the state boulevard at present constructed in this city consists of seven-tenths of a mile of double roadway.

Whenever the plan of sanitary improvement is carried out along the line of Alewife brook, on the northwesterly boundary of Somerville, a boulevard could be constructed along the banks of this brook at small expense, connecting Massachusetts avenue in Cambridge with the city's Powder-house boulevard, which

would improve the general conditions in this section of the city, and enhance the value of surrounding property.

Maintenance Account.

STATEMENT OF EXPENSES.

Broadway Park (15.9 acres):—

Maintenance of grounds and general care of property	\$1,257 74	
Removing brown-tail and gypsy moths	105 25	
Tools and supplies	98 87	
Repairing tools and property	54 09	
Plants, flowers, bulbs, etc.	194 56	
	<hr/>	\$1,710 51

Broadway Parkway (1.4 acres):—

Maintenance of grounds	\$136 78	
Plants, flowers, trees, etc.	87 59	
	<hr/>	224 37

Central Hill Park (13.1 acres):—

Maintenance of grounds and general care of property	\$1,315 28	
Removing brown-tail and gypsy moths	24 00	
Tools and supplies	55 98	
Repairing tools and property	39 17	
Plants, flowers, bulbs, etc.	427 20	
	<hr/>	1,861 63

Prospect Hill Park (2.6 acres):—

Maintenance of grounds	\$933 79	
Tools and supplies	40 96	
Repairing tools and property	129 00	
	<hr/>	1,103 75

Lincoln Park (8.3 acres):—

Maintenance of grounds and general care of property (\$60.94 paid by Sewers Construction account)	\$1,677 45	
Tools and supplies	63 79	
Repairing tools and property	182 63	
Plants, flowers, bulbs, etc.	61 62	
	<hr/>	1,985 49
Filling and grading westerly end of playground		617 82

Tufts Park (4.5 acres):—

Maintenance of grounds and general care of property	\$850 77	
Removing brown-tail and gypsy moths	48 00	
Tools and supplies	31 97	
Repairing tools and property	19 02	
Plants, flowers, bulbs, etc.	172 92	
	<hr/>	1,122 68

Paul Revere Park:—

Maintenance of grounds		8 00
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Broadway Athletic Field, Tufts College land (4.4 acres, leased):—

Maintenance of grounds and care of property	\$553 87	
Tools and supplies	15 70	
Repairing property	55 17	
	<hr/>	624 74

Amount carried forward		<hr/> \$9,258 99
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Amount brought forward		\$9,258 99
Playgrounds, Glen street, corner Oliver street (0.9 acre + 1.5 acres leased):—		
Maintenance of grounds	\$63 54	
Rent of land used for playground	93 96	
	<hr/>	157 50
Playgrounds, Poplar street, corner Joy street (0.4 acre):—		
Maintenance		28 45
Playgrounds, Webster avenue, near Cambridge line (0.2 acre):—		
Maintenance of grounds	8 00	
Building property fence	34 65	
	<hr/>	42 65
Playgrounds, Winthrop avenue (2.5 acres leased):—		
Maintenance of grounds		32 45
Playgrounds, Somerville avenue, corner Kent street (0.8 acre):—		
Maintenance of grounds	\$28 50	
Repairing property	6 80	
	<hr/>	35 30
Playgrounds, Belmont street, near Summer street (0.4 acre):—		
Maintenance of grounds	\$100 95	
Repairing property fences	36 91	
Plants, flowers, bulbs, etc.	93 20	
	<hr/>	231 06
Playgrounds, Broadway, corner Cedar street (4.2 acres):—		
Maintenance of grounds	\$389 82	
Sidewalk assessment	101 10	
Trees and shrubs for slopes	61 85	
Settlement of suit for damages	162 50	
	<hr/>	715 27
Playgrounds, College avenue, opposite Morrison avenue (0.4 acre):—		
Maintenance of grounds		24 42
Cemetery, Somerville avenue (0.7 acre):—		
Maintenance of grounds	80 50	
Building property fence (\$90.00 paid by American Tube Works)	163 02	
	<hr/>	243 52
Powder House Boulevard (1 1-3 miles long):—		
Maintenance of roadway, walks, and grass-plots		300 91
Incidentals		12 00
	<hr/>	
Total expenditure, maintenance (62.2 acres, 1 1-3 miles boulevard)		\$11,082 52

CREDIT.

Appropriation	\$10,400 00
Received from High School Athletic Association, balance building grand stand, 1905 (\$280.74), and erection extra seats, etc., on Athletic field (\$141.21)	421 95
	<hr/>
Amount carried forward	\$10,821 95

Amount brought forward	\$10,821 95	
Received from American Tube Works, part cost construction of new division fence, cemetery lot	90 00	
Received from Boston Elevated Railway Company, partial maintenance Broad- way parkway, 1905 and 1906	100 00	
Received from other departments (labor)	60 94	
Sale of old iron	10 00	
	<hr/>	
Total credit		\$11,082 89
		<hr/>
Balance unexpended		\$0 37
Value of tools and property used in main- tenance of grounds	\$1,500 00	

APPENDED TABLE.

Following this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1901 report a table was given showing the locations and names of public squares in the city, and in the 1898 report old names of certain streets as formerly known.

Respectfully submitted,

ERNEST W. BAILEY,

City Engineer.

**TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.**

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell pl. . . .	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Adams	Broadway	Medford st. . . .	Public.	40	907	....
Addison pl. . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adrian	Marion st. . . .	Joseph st. . . .	Public.	40	579	....
Albion pl. . . .	Albion st. . . .	Northeasterly . .	Private.	10	....	166
Albion ct. . . .	Albion st. . . .	Southwesterly . .	Private.	16	....	116
Albion	Central st. . . .	Cedar st. . . .	Public.	40	2,742	....
Albion	Broadway	Medford line . . .	Private.	50	....	100
Albion ter. . . .	Albion st. . . .	Southwesterly . .	Private.	25	....	100
Aldersey	Walnut st. . . .	Vinal ave. . . .	Public.	40	508	....
Aldrich	Pearl st. . . .	B. & L. R. R. . .	Public.	40	611	....
Alfred	Broadway	Medford line . . .	Private.	50	....	50
Allen	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct. . . .	Park st. . . .	Northwesterly . .	Private.	20	....	150
Alpine	Cedar st. . . .	Southeasterly . .	Private.	30	....	670
Alpine	Alpine st. . . .	Lowell st. . . .	Public.	40	688	....
Alston	Cross st. . . .	Shawmut pl. . . .	Public.	40	567	....
Ames	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton	Willow ave. . . .	Clifton st. . . .	Public.	40	548	....
Appleton	Clifton st. . . .	Liberty ave. . . .	Private.	40	....	120
Arlington	Franklin st. . . .	Lincoln st. . . .	Public.	40	452	....
Arnold ave. . . .	Porter st. . . .	Southeasterly . .	Private.	15	....	127
Arnold ct. . . .	Beacon st. . . .	Northeasterly . .	Private.	10	....	115
Arthur ct. . . .	Linden st. . . .	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st. . . .	Public.	40	438	....
Ash ave. . . .	Meacham st. . . .	East Albion st. .	Public.	40	554	....
Ash ave. . . .	East Albion st. .	Northeasterly . .	Private.	40	....	151
Ashland	Summer st. . . .	Sartwell ave. . . .	Public.	30	478	....
Atherton	Central st. . . .	Beech st. . . .	Public.	40	264	....
Auburn ave. . . .	Cross st. . . .	B. & L. R. R. . .	Private.	30	....	600
Austin	Broadway	Mystic ave. . . .	Public.	40	716	....
Autumn	Broadway	Bonair st. . . .	Private.	20	....	420
Avon	School st. . . .	Central st. . . .	Public.	40	1,360	....
Avon pl. . . .	Cross st. . . .	B. & L. R. R. . .	Private.	25	....	150
Banks	Elm st. . . .	Summer st. . . .	Public.	40	639	....
Bartlett	Vernon st. . . .	Broadway	Public.	40	1,550	....
Bartlett	Washington st. .	Southerly	Private.	20	....	200
Barton	Broadway	Russell road. . . .	Private.	40	....	382
Bay State ave. .	Broadway	Fosket st. . . .	Private.	40	....	1,197
Beach ave. . . .	Webster ave. . .	Columbia st. . . .	Private.	about 20	....	200
Beacon pl. . . .	Beacon st. . . .	Northeasterly . .	Private.	15	....	200
Beacon	Cambridge line .	Somerville ave. .	Public.	66	6,007	....
Beacon ter. . . .	Somerville ave. .	Northeasterly . .	Private.	24	....	110
Bean's ct. . . .	Cutter st. . . .	Southeasterly . .	Private.	16	....	100
Beckwith circle	Beacon st. . . .	Southwesterly . .	Private.	20	....	120
Bedford	South st. . . .	Cambridge line .	Public.	30	165	....
Beech	Somerville ave. .	Spring st. . . .	Public.	40	800	....
Bellevue ter. . .	Albion st. . . .	Northeasterly . .	Private.	20	....	90
Belknap	Broadway	Russell road. . . .	Private.	40	....	449
Belmont	Somerville ave. .	Highland ave. . .	Public.	40	2,192	....
Belmont pl. . . .	Belmont st. . . .	Southeasterly . .	Private.	25	....	175
Benedict ave. . .	Broadway	Benedict st. . . .	Private.	20	....	200
Benedict	Union st. . . .	Austin st. . . .	Public.	40	585	....
Bennett ct. . . .	Bennett st. . . .	Prospect st. . . .	Private.	10	....	100
Bennett	Prospect st. . . .	Bennett ct. . . .	Private.	40 to 25	....	400
Benton road . . .	Summer st. . . .	Hudson st. . . .	Public.	40	1,208	....
Berkeley	School st. . . .	Central st. . . .	Public.	40	1,360	....
Berwick	Lawrence st. . .	Northwesterly . .	Private.	20	....	170
Bigelow	Boston st. . . .	Munroe st. . . .	Public.	50	208	....
Billingham	Broadway	William st. . . .	Public.	40	563	....
Bishop's pl. . . .	Glen st. . . .	Easterly	Private.	10	....	75
Blakeley ave. . .	Winthrop ave. . .	Cross st. . . .	Private.	40	....	630
Bleachery ct. . .	Somerville ave. .	Fitchburg R. R. .	Private.	30	....	450
Bolton	Oak st. . . .	Houghton st. . . .	Public.	40	476	....
Bonair	Cross st. . . .	Walnut st. . . .	Public.	40	1,535	....
Bond	Broadway	Jaques st. . . .	Public.	40	655	....

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Bonner ave. . .	Washington st. .	Columbus ave. . .	Public.	40	376	....
Boston ave. . .	Medford line . .	Mystic river . . .	Public.	60	915	....
Boston ave. . .	Broadway . . .	Medford line . . .	Public.	50	80	....
Boston ave. . .	Broadway . . .	Highland road . .	Private.	65	....	290
Boston ave. . .	Highland road . .	Easterly angle . .	Private.	50	....	655
Boston ave. . .	Angle southerly .	Morrison ave. . .	Private.	40	....	1,025
Boston . . .	Washington st. .	Prospect Hill ave.	Public.	45	640	....
Boston . . .	Prospect Hill av.	Walnut st. . . .	Public.	40	1,242	....
Bow . . .	Union sq. . . .	Wesley sq. . . .	Public.	60	658	....
Bow . . .	Wesley sq. . . .	Somerville ave. .	Public.	50	570	....
Bowdoin . . .	Washington st. .	Lincoln park . . .	Public.	40	341	....
Bowers ave. . .	Cottage ave. . .	Elm st. . . .	Private.	24	....	288
Bow St. pl. . .	Bow st. . . .	Northwesterly . .	Private.	40	....	300
Bradford ave. .	School st. . . .	Southeasterly . .	Private.	40	....	150
Bradley . . .	Pearl st. . . .	Walter st. . . .	Public.	40	762	....
Brastow ave. . .	Lowell st. . . .	Porter st. . . .	Public.	40	686	....
Bristol road . .	Broadway . . .	Medford line . . .	Private.	40	....	98
Broadway . . .	Charlestown line	Cross st. . . .	Public.	100	2,590	....
Broadway . . .	Cross st. . . .	Marshall st. . . .	Public.	100 to 200	2,060	....
Broadway . . .	Marshall st. . .	Main st. . . .	Public.	100	1,570	....
Broadway . . .	Main st. . . .	Top of hill . . .	Public.	100 to 90	1,030	....
Broadway . . .	Top of hill . . .	Albion st. . . .	Public.	90	2,540	....
Broadway . . .	Albion st. . . .	Willow ave. . . .	Public.	90 to 70	1,030	....
Broadway . . .	Willow ave. . . .	Paulina st. . . .	Public.	70	3,250	....
Broadway . . .	Paulina st. . . .	Arlington line . .	Public.	65-60-65	3,220	....
Broadway pl. . .	Broadway . . .	Southwesterly . .	Private.	22	....	250
Bromfield road .	Warner st. . . .	Dearborn road . .	Private.	40	....	1,280
Brook . . .	Glen st. . . .	Cross st. . . .	Public.	40	504	....
Browning road .	Sycamore st. . . .	Central st. . . .	Public.	40	679	....
Buckingham . .	Beacon st. . . .	Dimick st. . . .	Public.	40	292	....
Burnside ave. .	Elm st. . . .	Summer st. . . .	Public.	40	720	....
Caldwell ave. . .	Washington st. .	Southerly	Private.	20	....	210
Calvin . . .	Beacon st. . . .	Dimick st. . . .	Public.	40	263	....
Calvin . . .	Dimick st. . . .	Washington st. .	Public.	30	392	....
Cambria . . .	Central st. . . .	Benton road . . .	Public.	40	488	....
Cameron ave. . .	Holland st. . . .	Cambridge line . .	Public.	60	1,065	....
Campbell pk. . .	Meacham rd. . .	Kingston st. . . .	Public.	40	399	....
Campbell Pk. pl.	Kingston st. . .	Arlington Br. R.R.	Private.	20	....	84
Carlton . . .	Somerville ave. .	Lake st. . . .	Public.	40	300	....
Carver . . .	Porter st. . . .	Northwesterly . .	Private.	40	....	156
Cedar ave. . .	Cedar st. . . .	Linden ave. . . .	Private.	22	....	290
Cedar ct. . .	Cedar st. . . .	Southeasterly . .	Private.	15+	....	70+
Cedar St. pl. . .	Murdock st. . .	Southwesterly . .	Private.	20	....	220
Cedar St. pl. . .	Cedar n'r Elm st.	Southeasterly . .	Private.	12+	....	80+
Cedar . . .	Elm st. . . .	Broadway	Public.	40	4,137	....
Central . . .	Somerville ave. .	Summer st. . . .	Public.	33	1,043	....
Central . . .	Summer st. . . .	Medford st. . . .	Public.	40	2,539	....
Central . . .	Medford st. . . .	Broadway	Public.	45	1,079	....
Centre . . .	Albion st. . . .	B. & L. R. R. . .	Private.	35	....	200
Chandler . . .	Park ave. . . .	Broadway	Public.	40	1,232	....
Chapel . . .	College ave. . .	Chandler st. . . .	Public.	40	273	....
Chapel ct. . .	Sycamore st. . .	Northwesterly . .	Private.	12	....	130
Charles . . .	Washington st. .	Southerly	Public.	30	166	....
Charlestown . .	Allen st. . . .	Easterly	Private.	15	....	400
Charnwood road .	Willow ave. . . .	Hancock st. . . .	Public.	40	589	....
*Chelsea . . .	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,390
Cherry . . .	Elm st. . . .	Highland ave. . .	Public.	45	1,450	....
Chester . . .	Elm st. . . .	Cambridge line . .	Public.	40	885	....
Chester ave. . .	Medford st. . . .	Angle	Public.	about 22	220	....
Chester ave. . .	Angle	Cross st. . . .	Private.	20	....	445
Chester pl. . .	Chester st. . . .	Northwesterly . .	Private.	40	....	200
Chestnut . . .	Poplar st. . . .	Southeasterly . .	Private.	40	....	540
Church . . .	Summer st. . . .	Lake st. . . .	Public.	40	964	....
Church St. pl. .	Church st. . . .	Northwesterly . .	Private.	25	....	170

* Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
City road . . .	Broadway . . .	Cedar st. . . .	Private.	45	....	980
Claremon . . .	Holland st. . .	Mead st. . . .	Public.	40	560	....
Clarendon ave. .	Broadway . . .	Cambridge line .	Public.	40	1,217	....
Clark . . .	Newton st. . .	Lincoln parkway .	Private.	35	....	545
Cleveland . . .	Central st. . .	Harvard st. . .	Public.	40	459	....
Clifton . . .	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Clifton . . .	Morrison ave. .	Arlington Br. R.R.	Private.	40	....	220
Clyde . . .	Cedar st. . . .	Murdock st. . .	Private.	30	....	600
College ave. . .	Davis sq. . . .	Medford line . .	Public.	60	4,080	....
Columbia . . .	Webster ave. . .	Cambridge line .	Public.	40	816	....
Columbia ct. . .	Columbia st. . .	Webster ave. . .	Private.	9	....	150
Columbusave . .	Washington st. .	Walnut st. . . .	Public.	40	1,425	....
Concord ave. . .	Prospect st. . .	Leon st. . . .	Public.	40	1,483	....
Concord avje. .	Leon st. . . .	Beacon st. . . .	Private.	30	....	470
Congress p. . .	Linwood st. . .	Southwesterly .	Private.	16	....	200
Conlon ct..e. .	Columbia st. . .	Easterly	Private.	20	....	200
Conwell ave. . .	Curtis st. . . .	North st. . . .	Private.	40	....	1,349
Conwell . . .	Highland ave. .	Southwesterly .	Public.	35	363	....
Cooney . . .	Beacon st. . . .	Line st. . . .	Private.	30	....	220
Cottage ave. . .	Russell st. . . .	Chester st. . . .	Public.	40	550	....
Cottage circle .	Cottage ave. . .	Southwesterly .	Private.	25	....	87
Cottage pl. . .	Washington st. .	Northwesterly .	Private.	about 11	....	150
Craigie . . .	Somerville ave. .	Summer st. . . .	Public.	50	1,280	....
Craigie ter. . .	16 Craigie st. .	Westerly	Private.	25	....	126
Crescent . . .	Washington st .	Pearl st. . . .	Private.	30 to 38	....	650
Crocker . . .	Highland ave. .	Crown st. . . .	Public.	40	528	....
Cross . . .	Medford st. . .	Broadway	Public.	45	2,680	....
Cross . . .	Broadway	Mystic ave. . . .	Public.	40	1,100	....
Cross St. pl. . .	Cross st. . . .	Northwesterly .	Private.	24	....	150
Crown . . .	Porter st. . . .	Lowell st. . . .	Private.	30	....	700
Curtis ave. . .	Curtis st. . . .	Northwesterly .	Private.	40	....	700
Curtis . . .	Broadway	Medford line . .	Public.	40	2,357	....
Cutler . . .	Lawrence st. . .	Northwesterly .	Private.	20	....	170
Cutter ave. . .	Summer st. . . .	Highland ave. .	Public.	40	480	....
Cutter pk. . .	Cutter ave. . . .	Northwesterly .	Private.	12	....	83
Cutter . . .	Broadway	Webster st. . . .	Public.	40	730	....
Cypress . . .	Central st. . . .	Beech st. . . .	Public.	40	262	....
Dana . . .	Bonair st. . . .	Pearl st. . . .	Public.	40	696	....
Dane . . .	Somerville ave. .	Washington st. .	Public.	40	1,341	....
Dane ave. . .	Dane st. . . .	Leland st. . . .	Public.	30	569	....
Dartmouth . . .	Medford st. . .	Broadway	Public.	40	1,465	....
Day . . .	Elm st. . . .	Cambridge line .	Public.	40	908	....
Dearborn road .	Boston ave. . . .	College ave. . .	Private.	50	....	460
Delaware . . .	Aldrich st. . . .	Pearl st. . . .	Public.	40	451	....
Dell . . .	Glen st. . . .	Tufts st. . . .	Public.	40	466	....
Derby . . .	Temple st. . . .	Grant st. . . .	Public.	40	831	....
Derby . . .	Grant st. . . .	Wheatland st. .	Private.	40	....	200
Dexter . . .	Broadway	Medford line . .	Private.	50	....	25
Dickinson . . .	Springfield st. .	Beacon st. . . .	Public.	40	770	....
Dickson . . .	Broadway	Fairmount ave. .	Private.	40	....	271
Dimick . . .	Concord ave. . .	Calvin st. . . .	Public.	40	957	....
Distillhouse . .	South st. . . .	Cambridge line .	Private.	35	....	150
Dix pl. . .	Linwood st. . .	Southwesterly .	Private.	10	....	100
Dover . . .	Elm st. . . .	Cambridge line .	Public.	40	975	....
Dow . . .	PowderHouseBd .	Ware st. . . .	Private.	40	....	257
Downer pl. . .	Downer st. . . .	B. & L. R. R. . .	Private.	20	..	125
Downer . . .	Nashua st. . . .	Southeasterly . .	Private.	20	..	120
Dresden circle .	Cutter ave. . . .	Westerly	Private.	30	....	133
Durham . . .	Beacon st. . . .	Hanson st. . . .	Public.	40	423	....
Dynamo . . .	Willow ave. . . .	Whipple st. . . .	Private.	30	....	255
Earle . . .	South st. . . .	Fitchburg R. R. .	Private.	30	...	322
East Albion . . .	Mt. Vernon ave. .	E. of Moreland st.	Private.	25	...	188
East Albion . . .	E. of Moreland st.	Medford line . .	Private.	40	....	490
Eastman road . .	Highland ave. .	Southwesterly . .	Public.	40	296	....
*Edgeworth . . .	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,380

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Edmands	Broadway	near Bonair st. . .	Public.	40	376	....
Edmonton ave. .	Cross st.	Winthrop ave. . .	Private.	40	....	630
Electric ave. . .	Curtis st.	Packard ave. . . .	Public.	40	681	....
Eliot	Vine st.	Park st.	Public.	40	291	....
Ellington road .	Highland ave. . .	Northeasterly . . .	Private.	35	....	120
Ellington road .	West st.	Northwesterly . .	Private.	30	....	405
Ellsworth	Cross st.	Rush st.	Public.	40	230	....
Elm ct.	Villa ave.	Northwesterly . .	Private.	18	....	70
Elm pl.	Harvard st. . . .	Westerly	Private.	30	....	190
Elm	Somerville ave. .	Cherry st.	Public.	63	1,672	....
Elm	Cherry st.	White st.	Public.	63 to 60	330	....
Elm	White st.	Banks st.	Public.	60	660	....
Elm	Banks st.	Beech st.	Public.	60 to 77.5	290	....
Elm	Beech st.	Tenney st.	Public.	77.5 to 60	570	....
Elm	Tenney st.	Davis sq.	Public.	60	1,429	....
Elmwood	Holland st. . . .	Cambridge line . .	Public.	40	1,057	....
Elmwood ter. . .	Elmwood st. . . .	Easterly	Private.	20	....	190
Elston	Elm st.	Summer st.	Public.	40	396	....
Emerson	Everett st. . . .	Newton st.	Private.	30	....	170
Emery	Fitchburg R. R. .	South st.	Private.	30	....	335
Endicott ave. . .	Broadway	Woodstock st.(Ext'n)	Private.	40	....	800
Essex	Medford st. . . .	Richdale ave. . .	Public.	40	232	....
Eustis	Beacon st.	Cambridge line . .	Private.	30	....	150
Everett ave. . . .	Cross st.	Dana st.	Public.	40	845	....
Everett	Webster ave. . . .	Newton st.	Private.	30	....	350
Evergreen ave. .	Marshall st. . . .	Sycamore st. . . .	Public.	40	1,320	....
Evergreen sq. . .	Porter st.	Southeasterly . . .	Private.	8	....	200
Fairlee	Cherry st.	Northwesterly . .	Public.	30	144	....
Fairmount ave. .	Curtis st.	Northwesterly . .	Private.	40	....	700
Fairview ter. . .	Sycamore st. . . .	Southwesterly . .	Private.	15	....	173
Farragut ave. . .	Broadway	Woodstock st.(Ext'n)	Public.	40	905	....
Fellsway	Mystic ave. . . .	Mystic river . . .	Public.	70 to 130	2,500	....
Fellsway east . .	(Winthrop ave.)					
Fellsway west . .	Broadway	Mystic ave. . . .	Public.	50	1,222	....
(Chauncey ave.)	Broadway	Mystic ave. . . .	Public.	50	1,324	....
Fenwick	Broadway	Jaques st.	Public.	40	601	....
Fisk ave.	Hinckley st. . . .	Lowell st.	Private.	20 and 25	....	460
Fitchburg ct. . .	Fitchburg st. . . .	Southeasterly . .	Private.	10	....	225
Fitchburg	Linwood st. . . .	B. & L. R. R. . .	Private.	40	....	400
Flint ave.	Flint st.	Northerly	Private.	40	....	200
Flint	Franklin st. . . .	Aldrich st.	Public.	40	1,790	....
Florence	Washington st. . .	Perkins st.	Public.	40	1,304	....
Florence ter. . .	Jaques st.	Southwesterly . .	Private.	20	....	90
Forest	Beacon st.	Cambridge line . .	Public.	40	117	....
Forster	Sycamore st. . . .	Central st.	Private.	30	....	430
Fosket	Willow ave. . . .	Liberty ave. . . .	Public.	40	668	....
Fountain ave. . .	Cross st.	Glen st.	Public.	30	578	....
Francesca ave. .	College ave. . . .	Liberty ave. . . .	Public.	40	762	....
Francis	Porter st.	Conwell st.	Private.	30	....	180
Franklin ave. . .	Washington st. . .	Franklin st. . . .	Public.	20	575	....
Franklin pl. . . .	Franklin st. . . .	Southeasterly . .	Private.	15	....	100
Franklin	Broadway	Washington st. . .	Public.	40+	2,316	....
Frederick ave. .	Willow ave. . . .	Boston ave. . . .	Private.	40	....	1,217
Fremont ave. . . .	Bowdoin st. . . .	Lincoln pk. . . .	Private.	30	....	235
Fremont	Main st.	Meacham st. . . .	Public.	40	612	....
Fremont	Meacham st. . . .	Near Mystic ave. .	Private.	40	....	785
Garden ct.	Somerville ave. . .	Fitchburg R. R. . .	Private.	25	....	370
Garfield ave. . .	Broadway	Middlesex ave. . .	Private.	40	....	1,430
Garrison ave. . .	Broadway	Woodstock st.(Ext'n)	Private.	40	....	850
George	Broadway	Lincoln ave. . . .	Public.	30	275	....
Gibbens	Central st.	Benton road	Public.	40	492	....
Gibbens	Benton rd.	Northwesterly . .	Private.	40	....	133
Giles pk.	Walnut st.	Northwesterly . .	Public.	32.71	167	....

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Gill's ct.	Franklin st. . . .	Westerly	Private.	10	....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	....
Gilman ter. . . .	Pearl st.	Northeasterly . . .	Public.	40	360	....
Gilson ter.	Linden ave.	Northwesterly . . .	Private.	20	....	124
Glen	Broadway	Tufts st.	Public.	40	2,373	....
Glendale ave. . .	Cameron ave. . . .	Yorktown st.	Public.	40	410	....
Glenwood road . .	Vernon st.	Broadway	Public.	40	1,524	....
Glover circle . . .	Meacham road . . .	Southeasterly	Private.	20	....	110
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave.	Porter st.	Southeasterly	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly	Private.	15	....	145
Grand View ave. .	Walnut st.	Vinal ave.	Public.	40	542	....
Granite	Somerville ave. . .	Osgood st.	Private.	40	....	400
Grant	Broadway	Jaques st.	Public.	40	536	....
Grant	Jaques st.	Mystic ave.	Private.	40	....	814
Greene	Summer st.	Laurel st.	Public.	40	555	....
Greenville	Medford st.	Munroe st.	Public.	40	660	....
Greenville ter. . .	Greenville st. . . .	Northerly	Private.	20	....	250
Greenwood ter. . .	Beacon st.	Northeasterly	Private.	25	....	165
Grove	Elm st.	Morrison ave.	Public.	40	996	....
Gurney	Highland ave. . . .	Cedar st.	Private.	40	....	468
Hadley ct.	Franklin st.	Westerly	Private.	20	....	150
Hall ave.	College ave.	Liberty ave.	Public.	40	926	....
Hall	Cedar st.	Cherry st.	Public.	30	456	....
Hamlet	Highland ave. . . .	Southwesterly	Public.	30	451	....
Hammond	Dickinson st. . . .	Concord ave.	Public.	40	267	....
Hancock	Elm st.	Highland ave.	Public.	40	1,349	....
Hancock	Highland ave. . . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st. . . .	Skehan st.	Public.	30	469	....
Hanson	Skehan st.	Vine st.	Public.	35	347	....
Harding	South st.	Cambridge line . . .	Private.	30	....	115
Harold	Dimick st.	Marion st.	Private.	40	....	317
Harris	Beacon st.	Cambridge line . . .	Private.	35	....	150
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st.	Southeasterly	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave. . . .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave	Cutter ave.	Public.	30	807	....
Hayden ter.	Linden ave.	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Mt. Vernon ave. . . .	Private.	40	....	386
Heath	Mt. Vernon ave. . .	Moreland st.	Public.	40	364	....
Henderson	Richardson st. . . .	B. & L. R. R. . . .	Private.	20	....	535
Hennessy ct. . . .	Medford st.	Fisk ave.	Private.	20	....	250
Henrietta ct. . . .	Somerville ave. . . .	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave. . . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st.	Day st.	Public.	40	337	....
Hersey	Berkeley st.	Oxford st.	Private.	40	....	230
Highland ave. . . .	Medford st.	Davis sq.	Public.	60	9,135	....
Highland road . .	Morrison ave. . . .	Boston ave.	Private.	70	....	1,500
Hill	Broadway	Fairmount ave. . . .	Private.	40	....	286
Hillside ave. . . .	Pearl st.	Southwesterly	Private.	30	....	150
Hillside cir. . . .	Craigie st.	Westerly	Private.	16	....	151
Hillside pk.	Walnut st.	Northwesterly	Public.	40	196	....
Hinckley	Broadway	Richardson st. . . .	Public.	30 and 35	579	....
Hodgdon pl.	Dane ave.	Northeasterly	Private.	about 20	....	150
Holland	Davis sq.	Broadway	Public.	60	2,696	....
Holt's ave.	Oak st.	Southeasterly	Private.	10	....	100
Holyoke road . . .	Elm st.	Elm st.	Public.	40	637	....
Homer sq.	Bonner ave.	Northwesterly	Public.	30+	200	....
Horace	South st.	Fitchburg R. R. . . .	Private.	30	....	510

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Houghton . . .	Springfield st. .	Cambridge line. .	Public.	40	653	....
Howard . . .	Thorndike st. .	Gorham street . .	Private.	40	....	430
Howe . . .	Marshall st. . .	School st. . . .	Public.	40	445	....
Hudson . . .	Central st. . . .	Cedar st.	Public.	40	2,760	....
Hunting . . .	South st.	Cambridge line .	Private.	30	....	125
Ibbetson . . .	Somerville ave. .	Lowell st. . . .	Public.	40	802	....
Irving . . .	Holland st. . . .	Broadway	Public	40	1,180	....
Ivaloo . . .	Beacon st. . . .	Park st.	Public.	40	685	....
James . . .	Pearl st.	Veazie st.	Public.	40	320	....
Jaques . . .	Chauncey ave. .	Temple st. . . .	Public.	40	1,182	....
Jaques . . .	Temple st. . . .	Bond st.	Public.	45	1,005	....
Jasper pl. . .	Walnut st. . . .	Easterly	Private.	20	....	80
Jasper . . .	Pearl st.	Gilman st. . . .	Public.	40	283	....
Jay . . .	Holland st. . . .	Howard st. . . .	Public.	40	534	....
Jerome ct. . .	Sycamore st. . .	Jerome st. . . .	Private.	10	...	150
Jerome . . .	Montrose st. . .	Jerome ct. . . .	Private.	20	....	125
Jerome . . .	Lawrence rd. . .	Mystic river . . .	Private.	40	....	742
Joseph . . .	Newton st. . . .	Lincoln parkway .	Public.	40	458	....
Josephine ave.	Morrison ave. . .	Broadway	Public.	45	1,718	....
Joy . . .	Washington st. .	Poplar st. . . .	Public.	30	1,121	....
Joy St. pl. . .	Joy st.	Southwesterly . .	Private.	30	....	175
Kenneson road .	Broadway	Walnut road . . .	Private.	30	....	338
Kensington ave. .	Broadway	Blakeley ave. . .	Public.	40	455	....
*Kensington ave.	Blakeley ave. . .	Middlesex ave. . .	Private.	40	....	1,150
Kent ct. . .	Kent st.	Northerly	Private.	about 25	....	420
Kent . . .	Somerville ave. .	Fitchburg R. R. .	Public.	40	292	....
Kent . . .	Fitchburg R. R. .	Beacon st. . . .	Public.	25	386	....
Kenwood . . .	College ave. . . .	Billingham st. . .	Public.	40	322	....
Kidder ave. . .	College ave. . . .	Liberty ave. . . .	Public.	40	625	....
Kidder ave. . .	Liberty ave. . . .	Willow ave. . . .	Private.	40	....	655
Kilby . . .	Somerville ave. .	Southwesterly . .	Private.	20	....	180
Kimball . . .	Lowell st. . . .	Craigie st. . . .	Private.	40	....	303
Kingman road. .	Washington st. .	Fitchburg R. R. .	Private.	25	....	400
Kingston . . .	Meacham road . .	Cambridge line. .	Public.	40	647	....
Knapp . . .	School st. . . .	Granite st. . . .	Public.	40	379	....
Knowlton . . .	Tufts st.	N' Ely line Est. 37	Public.	40	461	....
Knowlton . . .	End of above	Oliver st.	Private.	40	....	464
Lake . . .	Hawkins st. . . .	Church st. . . .	Public.	40	840	....
Lamson ct. . .	Linwood st. . . .	Poplar st. . . .	Private.	20	....	370
Landers . . .	School st. . . .	Westerly	Private.	40	....	280
Latin Way . . .	Talbot ave. . . .	Professors row . .	Private.	60	....	250
Laurel ave. . .	Laurel st. . . .	Northwesterly . .	Private.	18	....	125
Laurel . . .	Somerville ave. .	Summer st. . . .	Public.	40	983	....
Lawrence . . .	Richardson st . .	B. & L. R. R. . .	Private.	35	....	500
Lawrence rd. .	Medford line . .	Mystic river . . .	Private.	40	....	820
Lawson ter. . .	Putnam st. . . .	Easterly	Private.	5	....	200
Lee . . .	Medford st. . . .	Richdale ave. . .	Public.	40	385	....
Leland . . .	Washington st. .	Dane ave. . . .	Private.	40	....	365
Leon . . .	Concord ave. . .	Dickinson st. . .	Public.	40	155	....
Leonard pl. . .	Joy st.	Northeasterly . .	Private.	13+	....	98
Lesley ave. . .	Highland ave. . .	Lexington ave. . .	Public.	40	333	....
Leslie pl. . .	Highland ave. . .	Northerly	Private.	12	....	75
Lester ter. . .	Meacham road . .	Northwesterly . .	Private.	20	....	190
Lexington ave. .	Willow ave. . . .	Hancock st. . . .	Public.	50	624	....
Lexington ave. .	Hancock st. . . .	Cedar st.	Private.	45 and 40	....	721
Liberty ave. . .	Hall ave.	Broadway	Public.	40	1,395	....
Liberty ave. . .	Hall ave.	Appleton st. . . .	Private.	40	....	100
Lincoln ave. . .	Lincoln st. . . .	Mt. Vernon st. . .	Public.	30	478	....
Lincoln parkway.	Washington st. .	Perry st.	Public.	40	1,520	....
Lincoln pl. . .	Lincoln ave. . . .	Northerly	Private.	9	....	120
Lincoln . . .	Broadway. . . .	Perkins st. . . .	Public.	40	550	....
Linden ave. . .	Elm st.	Summer st. . . .	Public.	45	1,083	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Linden ave. . .	Summer st. . .	Northeasterly . .	Private.	45	....	250
Linden circle . .	Linden ave. . .	Southeasterly . .	Private.	24	....	120
Linden pl. . .	Linden ave. . .	Northwesterly . .	Private.	20	....	160
Linden . . .	Somerville ave. .	Charlestown st. .	Private.	33	....	705
Liine . . .	Washington st. .	Cambridge line . .	Public.	30	1,727	....
Linehan ct. . .	Linwood st. . .	Chestnut st. . .	Private.	about 15	....	200
Linwood pl. . .	Linwood st. . .	Southwesterly . .	Private.	about 12	....	150
Linwood . . .	Somerville ave. .	Washington st. .	Public.	50	2,114	....
London . . .	Linwood st. . .	B. & L. R. R. . .	Private.	40	....	340
Loring . . .	Somerville ave. .	Osgood st. . .	Public.	40	413	....
Louisburg pl. . .	Autumn st. . .	Easterly . . .	Private.	13	....	90
Lovell . . .	Broadway . . .	Electric ave. . .	Private.	40	....	385
Lowden ave. . .	Broadway . . .	Fosket st. . .	Private.	40	....	1,205
Lowell . . .	Somerville ave. .	Summer st. . .	Public.	36	1,259	....
Lowell . . .	Summer st. . .	Crown st. . .	Private.	33+	....	349
Lowell . . .	Crown st. . .	Albion st. . .	Public.	40	972	....
Lowell . . .	Albion st. . .	L. & A.Br'ch R. R.	Private.	40	....	540
Lowell . . .	B. & L. R. R. . .	Vernon st. . .	Private.	33+	....	60
Lowell . . .	Vernon st. . .	Medford st. . .	Public.	40	....	397
Lowell ter. . .	Lowell st. . .	Northwesterly . .	Private.	20	....	150
Madison . . .	School st. . .	Sycamore st. . .	Public.	40	891	....
Main . . .	Broadway . . .	Medford line . .	Public.	50	966	....
*Malden . . .	Mystic ave. . .	Melrose st. . .	Private.	50	....	1,360
Mallet . . .	Willow ave. . .	Liberty ave. . .	Private.	40	....	580
Malloy ct. . .	Somerville ave. .	Merriam ave. . .	Private.	30	...	255
Malvern ave. . .	Cameron ave. . .	Yorktown st. . .	Public.	40	410	....
Manila road . .	Beacon st. . .	Sacramento st. .	Private.	40	....	408
Mansfield . . .	Somerville ave. .	Washington st. .	Public.	40	735	....
Maple ave. . .	School st. . .	Southeasterly . .	Private.	40	....	300
Maple pl. . .	Marshall st. . .	Maple ave. . .	Private.	5	....	125
Maple . . .	Poplar st. . .	Medford st. . .	Public.	30	699	....
Marion . . .	Concord ave. . .	Wyatt st. W'ly 176.	Public.	40	740	....
Marion . . .	Wyatt st W'ly 176	Dimick st. . .	Private.	40	....	397
Marshall . . .	Broadway . . .	Pearl st. . .	Public.	40	1,650	....
May pl. . .	Hawkins st. . .	Easterly . . .	Private.	12	....	100
McCulpe pl. . .	Medford st. . .	Easterly . . .	Private.	10	....	110
McGregor ave. .	Wigglesworth st.	Walnut st. . .	Private.	about 10	....	250
Meacham road .	Dover st. . .	Cambridge line . .	Public.	40	1,060	....
Meacham . . .	Mt. Vernon ave. .	Medford line . .	Private.	40	....	800
Mead . . .	Cameron ave. . .	Moore st. . .	Private.	40	....	340
Medford . . .	Cambridge line . .	Central st. . .	Public.	50	8,047	....
Medford . . .	Central st. . .	Broadway . . .	Public.	55	1,985	....
Melledew ct. . .	Belmont st. . .	Easterly . . .	Private.	15	....	137
Melrose . . .	Mystic ave. . .	Fellsway . . .	Private.	50	....	2,310
Melvin . . .	Broadway . . .	Bonair st. . .	Public.	40	487	....
Merriam ave. . .	Merriam st. . .	Malloy ct. . .	Private.	15	....	255
Merriam . . .	Somerville ave. .	Charlestown st. .	Private.	30	....	500
Middlesex ave. .	Mystic ave. . .	Fellsway . . .	Public.	60	2,304	....
Milk pl. . .	Somerville ave. .	Southwesterly . .	Private.	about 30	....	100
Miller . . .	Sacramento st. .	Beacon st. . .	Private.	33	....	465
Milton . . .	Orchard st. . .	Cambridge line . .	Public.	40	223	....
Miner . . .	Vernon st. . .	Ames st. . .	Public.	40	244	....
Mondamin ct. .	Ivaloo st. . .	Harrison st. . .	Private.	25	....	250
Monmouth . . .	Central st. . .	Westerly . . .	Public.	40	267	....
Monmouth . . .	End of above . .	Harvard st. . .	Private.	35	....	200
Montgomery ave.	Broadway . . .	Wellington ave. .	Public.	40	265	....
Montrose ct. . .	Montrose st. . .	B. & L. R. R. . .	Private.	12	....	110
Montrose . . .	School st. . .	Sycamore st. . .	Public.	40	886	....
Moore . . .	Holland st. . .	Mead st. . .	Public.	40	695	....
Moreland . . .	Main st. . .	Mystic ave. . .	Public.	40	1,471	....
Morgan . . .	Beacon st. . .	Park st. . .	Public.	40	377	....
Morrison ave. .	Cedar st. . .	Willow ave. . .	Public.	50	1,366	....
Morrison ave. .	Willow ave. . .	College ave. . .	Public.	40	1,690	....
Morrison pl. . .	Morrison ave. .	Northerly . . .	Private.	20	....	190
Morrison pl. . .	Morrison pl. . .	Easterly . . .	Private.	15	....	175
Mortimer pl. . .	Marshall st. . .	Walter st. . .	Private.	20	....	280
Morton . . .	Glen st. . .	Knowlton st. . .	Public.	40	287	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Mossland . . .	Somerville ave. .	Elm st.	Public.	40	377	....
Mountain ave. .	Linden ave. . . .	Porter st.	Private.	22	....	310
Mousal pl. . . .	North Union st.	B. & M. R. R. . .	Private.	20	....	200
Mt. Pleasant ct.	Perkins st. . . .	Southwesterly . .	Private.	40	....	260
Mt. Pleasant . .	Broadway	Perkins st.	Public.	33	584	....
Mt. Vernon ave. .	Main st.	Meacham st. . . .	Private.	50	....	800
Mt. Vernon . . .	Washington st. .	Pearl st.	Public.	40	600	....
Mt. Vernon . . .	Pearl st.	Perkins st.	Public.	50	473	....
Mt. Vernon . . .	Perkins st. . . .	Broadway	Public.	40	590	....
Munroe	Walnut st.	Easterly	Public.	40	375	....
Munroe	End of above . .	Boston st.	Public.	50	1,214	....
Murdock	Cedar st.	Clyde st.	Private.	30	....	900
Murray	Washington st. .	Southerly	Private.	30	....	250
Museum	Beacon st.	Cambridge line . .	Public.	40	164	....
Myrtle ct. . . .	Myrtle st.	Easterly	Private.	10	....	100
Myrtle pl. . . .	Myrtle st.	Westerly	Private.	20+	....	120
Myrtle	Washington st. .	Perkins st.	Public.	40	1,423	....
Mystic ave. . . .	Charlestown line	Union st.	Public.	60	378	....
Mystic ave. . . .	Union st.	Medford line . . .	Public.	66	6,938	....
Mystic	Washington st. .	Somerville ave. . .	Public.	40	360	....
Mystic	Benedict st. . . .	Mystic ave.	Private.	40	....	330
*Mystic river bld.	Medford line . . .	Arlington line . . .	Private.	60	....	2,000
Nashua	Richardson st. . .	B. & L. R. R. . . .	Public.	35	637	....
Nevada ave. . . .	Village st.	Hanson st.	Private.	20	....	200
Newberne	Appleton st. . . .	Morrison ave. . . .	Public.	40	200	....
Newberne	Morrison ave. . . .	Arlington Br. R.R.	Private.	40	....	173
Newbury	Holland st.	Cambridge line . .	Public.	40	1,260	....
Newman pl. . . .	Cedar st.	Southeasterly . . .	Private.	15	....	100
Newton pl. . . .	Newton st.	Easterly	Private.	about 10	....	100
Newton	Prospect st. . . .	Webster ave. . . .	Public.	25	470	....
Newton	Webster ave. . . .	Concord ave. . . .	Public.	40+	637	....
Norfolk	Webster ave. . . .	Cambridge line . .	Public.	40	283	....
North	Broadway	Medford line b. 17	Public.	40	1,961	....
North	Medford line b. 17	Medford line b. 18	Public.	37 to 42	649	....
North Union . . .	Mystic ave.	Northeasterly . . .	Private.	30	....	600
Norton	Nashua st.	Southeasterly . . .	Private.	20	....	200
Norwood ave. . .	Broadway	Medford st.	Public.	40	350	....
Oak	Prospect st. . . .	Angle	Public.	40	665	....
Oak	Angle	Cambridge line . .	Public.	30	563	....
Oak St. pl. . . .	Oak st.	Northerly	Private.	4	....	85
Oakland ave. . . .	Marshall st. . . .	School st.	Public.	40	440	....
Olive ave.	Linden ave. . . .	Peterson ter. . . .	Private.	25	....	155
Olive sq.	Lake st.	Southerly	Private.	about 15	....	100
Oliver	Franklin st. . . .	Cross st.	Public.	40	1,085	....
Orchard	Cambridge line . .	Meacham road . . .	Public.	40	1,567	....
Osgood	Granite st.	Easterly & west'y	Private.	40	....	450
Ossipee road . . .	Packard ave. . . .	Curtis st.	Public.	40	682	....
Otis	Cross st.	Wigglesworth st. .	Public.	40	1,200	....
Oxford	School st.	Central st.	Public.	35	1,361	....
Oxford	Beacon st.	Cambridge line . .	Public.	50	100	....
Packard ave. . . .	Broadway	Professors row . .	Public.	60	1,758	....
Packard ave. . . .	Professors row . .	Medford line . . .	Private.	60	....	242
Palmer ave. . . .	Franklin st. . . .	Northwesterly . . .	Private.	20	....	200
Park ave.	College ave. . . .	Wallace st.	Public.	40	467	....
Park pl.	Laurel st.	Easterly	Private.	30	....	220
Park pl.	Park pl.	Northeasterly . . .	Private.	20	....	150
Park	Somerville ave. .	Beacon st.	Public.	50	1,238	....
Parker pl.	Porter st.	Northwesterly . . .	Private.	20	....	150
Parker	Washington st. .	Fremont ave. . . .	Private.	35	....	200
Partridge ave. . .	Vernon st.	Broadway	Public.	40	1,467	....
Patten ct.	Cutter st.	Southeasterly . . .	Private.	8	....	100
Paulina	Broadway	Holland st.	Private.	40	....	775
Pearl	Crescent st. . . .	Mt. Vernon st. . .	Public.	37	341	....
Pearl	Mt. Vernon st. . .	Franklin st.	Public.	50	957	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Pearl	Franklin st. . . .	Cross st.	Public.	40	1,060	....
Pearl	Cross st.	Medford st. . . .	Public.	50	2,447	....
Pearl St. pl. . . .	Pearl st.	Northeasterly . . .	Private.	20	....	200
Pearl ter.	Pearl st.	Northerly	Private.	23	....	161
Pearson ave. . . .	Morrison ave. . . .	Boston ave.	Private.	45	....	1,300
Pearson road . . .	Broadway	Warner st.	Public.	40	564	....
Pearson road . . .	Warner st.	Dearborn road . . .	Private.	40	....	1,090
Pembroke ct. . . .	Pembroke st. . . .	Southwesterly . . .	Private.	25	....	130
Pembroke	Central st.	Sycamore st.	Public.	40	430	....
Perkins pl.	Perkins st.	Northeasterly . . .	Private.	20	....	290
Perkins	Franklin st.	Charlestown line . .	Public.	40	1,336	....
Perry	Washington st. . . .	Lincoln parkway . .	Public.	40	606	....
Peterson ter. . . .	Porter st.	Olive ave.	Private.	13+	....	155
Pinckney pl. . . .	Pinckney st.	Southeasterly . . .	Private.	24	....	125
Pinckney	Washington st. . . .	Perkins st.	Public.	40	1,186	....
Pitman	Beech st.	Spring st.	Private.	30	....	380
Pitman	Spring st.	Belmont st.	Private.	26	....	390
Pleasant ave. . . .	Walnut st.	Vinal ave.	Public.	40	543	....
Poplar ct.	Poplar st.	Southeasterly . . .	Private.	10	....	80
Poplar	Somerville ave. . . .	Linwood st.	Public.	30	351	....
Poplar	Linwood st.	Joy st.	Public.	35	315	....
Poplar	Joy st.	B. & L. R. R. . . .	Private.	35	....	65
Porter ave.	Porter st.	Northwesterly . . .	Private.	20	....	220
Porter pl.	Porter st.	Northwesterly . . .	Private.	20	....	195
Porter	Elm st.	Mountain ave. . . .	Public.	45	1,622	....
Porter	Mountain ave. . . .	Highland ave. . . .	Public.	40	415	....
Powder house boulevard	Powder house square	Northwesterly, Mystic river and Medford line . . .	Public	80	7,200	....
Powder house ter.	Kidder ave.	Liberty ave.	Public.	40	585	....
Prescott	Summer st.	Highland ave. . . .	Public.	50	1,110	....
Preston road . . .	School st.	Summer st.	Public.	40	839	....
Princeton	Alpine st.	Lowell st.	Public.	40	648	....
Princeton	Lowell st.	Centre st.	Private.	40	....	540
Pritchard ave. . .	Morrison ave. . . .	Frederick ave. . . .	Public.	40	634	....
Pritchard ave. . .	Frederick ave. . . .	Boston ave.	Private.	40	....	511
Professors row . .	College ave.	Curtis st.	Public.	40	2,000	....
Prospect	Washington st. . . .	Cambridge line . . .	Public.	50	2,071	....
Prospect Hill av.	Medford st.	Munroe st.	Public.	40	597	....
Prospect Hill p'h'y	Munroe st.	Stone ave.	Public.	40	400	....
Prospect pl. . . .	Prospect st.	Newton st.	Private.	20	....	130
Putnam	Summer st.	Highland ave. . . .	Public.	50	1,262	....
Quincy	Somerville ave. . . .	Summer st.	Public.	40	781	....
Randolph pl. . . .	Cross st.	Westerly	Private.	15	....	244
Raymond ave. . . .	Curtis st.	North st.	Public.	40	1,345	....
Record's pl. . . .	Broadway	Southwesterly . . .	Private.	10	....	110
Reed's ct.	Oliver st.	Southwesterly . . .	Private.	20	....	105
Remick ct.	Cutter st.	Southeasterly . . .	Private.	10	....	100
Richardson	Lowell st.	Lawrence st.	Public.	35	467	....
Richardson ter. . .	Richardson st. . . .	Northeasterly . . .	Private.	20	....	135
Richdale ave. . . .	School st.	Sycamore st.	Public.	40	875	....
Richmond hi'h'ds	Madison st.	Southerly	Private.	30	....	150
Roberts	Lawrence st.	Northwesterly . . .	Private.	20	....	170
Robinson	Central st.	Bartlett st.	Public.	40	582	....
Rogers ave.	Morrison ave. . . .	Boston ave.	Public	45	1,682	....
Roland st.	Waverly st.	Boston line	Private.	40	....	100
Roseland	Beacon st.	Cambridge line . . .	Public.	40	121	....
Rossmore	Somerville ave. . . .	Washington st. . . .	Public.	40	534	....
Royce pl.	Bonair st.	Northeasterly . . .	Private.	15+	....	175
Rush	Broadway	Flint st.	Public.	40	1,400	....
Russell road	Broadway	North st.	Private.	40	....	1,193
Russell	Elm st.	Cambridge line . . .	Public.	40	700	....
Sacramento	Somerville ave. . . .	Fitchburg R. R. . . .	Public.	40	80	....
Sacramento	Fitchburg R. R. . . .	Beacon st.	Public.	40	290	....

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Sacramento . . .	Beacon st. . .	Cambridge line .	Private.	40	....	156
Sanborn ave. . .	Warren ave. . .	Walnut st. . .	Public.	40	280	....
Sanborn ct. . .	Washington st.	Northwesterly .	Private.	30	....	178
Sargent ave. . .	Broadway . . .	Walnut st. . .	Public.	40	1,075	....
Sartwell ave. . .	Cedar st. . .	Cherry st. . .	Private.	35	....	400
Sawyer ave. . .	Packard ave. .	Curtis st. . .	Private.	40	....	690
School . . .	Somerville ave.	Highland ave. .	Public.	40	1,901	....
School . . .	Highland ave. .	Broadway . . .	Public.	50	2,500	....
Sellon pl. . .	Marshall st. .	Northwesterly .	Private.	12	....	120
Seven Pines ave.	Cameron ave. .	Cambridge line .	Public.	40	92	....
Sewall ct. . .	Sewall st. . .	Southwesterly .	Private.	25	....	190
Sewall . . .	Grant st. . .	Temple st. . .	Public.	40	615	....
Shawmut pl. . .	Shawmut st. .	Alston st. . .	Private.	30	....	200
Shawmut . . .	Washington st.	Cross st. . .	Public.	40	575	....
Shedd . . .	Somerville ave.	Merriam ave. .	Private.	40	....	310
Sherman ct. . .	Sargent ave. .	Marshall st. .	Private.	10	....	250
Sibley ct. . .	Cutter st. . .	Northwesterly .	Private.	10	....	100
Sibley pl. . .	Cutter st. . .	Northwesterly .	Private.	10	....	100
Simpson ave. . .	Broadway . . .	Holland st. . .	Private.	40	....	825
Skehan . . .	Dane st. . .	Hanson st. . .	Public.	30	306	....
Skehan . . .	Hanson . . .	Durham . . .	Private.	30	....	414
Skilton ave. . .	Pearl st. . .	Pearl st. . .	Private.	40	....	540
Smith ave. . .	Beacon st. . .	Line st. . .	Private.	25+	....	200
Snow pl. . .	Belmont st. .	Easterly . . .	Private.	30	....	75
Snow pl. . .	Snow pl. . .	N'th'ly and S'th'ly	Private.	20	....	222
Snow ter. . .	Jaques st. . .	Southwesterly .	Private.	16	....	120
Somerville ave. .	E. Camb. line .	Union sq. . .	Public.	75	4,325	....
Somerville ave. .	Union sq. . .	N. Camb. line .	Public.	70	6,793	....
South . . .	Medford st. .	Water st. . .	Public.	30	989	....
Spencer ave. . .	Cedar st. . .	Hancock st. . .	Public.	40	727	....
Spring ct. . .	Somerville ave.	Westerly . . .	Private.	20	....	200
Spring . . .	Somerville ave.	Summer st. . .	Public.	40	1,220	....
Springfield . .	Concord ave. .	Cambridge line .	Public.	40	788	....
Spring Hill ter.	Highland ave. .	Belmont st. . .	Private.	20	....	670
Stanford ter. .	Beacon st. . .	Northeasterly .	Private.	20	....	200
Stickney ave. . .	Marshall st. .	School st. . .	Public.	40	458	....
St. James ave. .	Elm st. . .	Summer st. . .	Public.	40	488	....
St. James ave. ext.	Summer st. . .	Northeasterly .	Private.	30	....	125
Stone ave. . .	Union sq. . .	Columbus ave. .	Public.	40	676	....
Stone ave. . .	Columbus ave. .	Prospect Hill p'k'y	Public.	38	107	....
Stone pl. . .	Stone ave. . .	Southeasterly .	Private.	30	....	145
Summer . . .	Bow st. . .	Elm st. . .	Public.	45	7,900	....
Summit ave. . .	Walnut st. . .	Vinal ave. . .	Public.	45	532	....
Summit . . .	College ave. . .	Billingham st. .	Public.	40	262	....
Sumner . . .	Lawrence st. .	Northwesterly .	Private.	20	....	175
Sunnyside ave. .	Walnut st. . .	Wigglesworth st.	Private.	35	....	250
Sycamore . . .	Broadway . . .	Medford st. . .	Public.	45	1,275	....
Sycamore . . .	Medford st. .	B. & L. R. R. .	Public.	40	667	....
Sycamore . . .	B. & L. R. R. .	Highland ave. .	Public.	35	722	....
Sydney . . .	Grant st. . .	Temple st. . .	Public.	40	679	....
Talbot ave. . .	Packard ave. .	College ave. . .	Private.	50	....	1,409
*Tannery (Ext'n)	Cambridge line .	Woodstock st.(Ext'n)	Private.	40	....	160
Taunton. . .	Wyatt st. . .	Easterly to angle .	Private.	30	....	170
Taunton . . .	Angle . . .	Marion st. . .	Private.	20	....	95
Taylor pl. . .	Somerville ave.	Southerly . . .	Private.	15	....	200
Taylor . . .	Mystic ave. . .	Sydney st. . .	Private.	40	....	310
Teele ave. . .	Packard ave. .	Curtis st. . .	Private.	40	....	685
Temple . . .	Broadway . . .	Mystic ave. . .	Public.	66	1,637	....
Tenney ct. . .	Mystic ave. . .	Northeasterly .	Private.	30	....	400
Tennyson . . .	Forster st. . .	Pembroke st. . .	Public.	40	922	....
Thorndike . . .	Holland st. . .	Arl'ngt'n Br. R. R.	Public.	40	465	....
Thorndike . . .	Arl'gt'n Br. R. R.	Kingston st. . .	Public.	40	115	....
Thorp pl. . .	Highland ave. .	Southwesterly .	Public.	30	468	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Thurston	Broadway	Richdale ave. . . .	Public.	40	1,660	....
Tower ct.	Tyler st.	Northeasterly	Private.	25	....	150
Tower	Crown st.	Highland ave.	Public.	40	559	....
Tremont pl.	Tremont st.	Southeasterly	Private.	about 10	....	75
Tremont	Webster ave.	Cambridge line	Public.	40	589	....
Trull	Vernon st.	Medford st.	Public.	40	1,050	....
Trull lane	Highland ave.	Oxford st.	Private.	15	....	200
Tufts parkway	College ave.	College ave.	Public.	22	900	....
Tufts	Washington st.	Cross st.	Public.	40	982	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Unnamed st.	Ware st.	Powder h'se blvd. . . .	Private.	20-40	....	282
Union	Broadway	Mystic ave.	Public.	40	345	....
Union pl.	Linwood st.	Southwesterly	Private.	10	....	100
Upland Park	Main st.	Southwesterly	Private.	20	....	175
Veazie	Walnut st.	Bradley st.	Public.	35	392	....
Veazie	Bradley st.	Marshall st.	Public.	40	261	....
Vernon	Central st.	Glenwood road	Public.	40	764	....
Vernon	Glenwood road	Partridge ave.	Public.	40 to 30	190	....
Vernon	Partridge ave.	Lowell st.	Public.	30	434	....
Victoria	Broadway	Cambridge line	Private.	40	....	1,036
Villa ave.	Winslow ave.	Arlington Br. R. R. . .	Private.	35	....	200
Village	Dane st.	Vine st.	Private.	25	....	370
Vinal ave.	Summer st.	Highland ave.	Public.	45	1,425	....
Vinal	Richardson st.	Northeasterly	Private.	20	....	200
Vine ct.	Vine st.	Northwesterly	Private.	25	....	140
Vine	Somerville ave.	Hanson st.	Private.	40	....	780
Vine	Hanson st.	Beacon st.	Private.	25	....	650
Virginia	Aldrich st.	Jasper st.	Public.	40	405	....
Wade ct.	Cedar st.	Westerly	Private.	20	....	180
Waldo ave.	Beacon st.	Dimick st.	Private.	40	....	277
Waldo	Highland ave.	Hudson st.	Public.	40	287	....
Wallace	Holland st.	Broadway	Public.	40	1,342	....
Walnut	Bow st.	Broadway	Public.	40	3,948	....
Walnut road	Walnut st.	Kenneson road	Private.	40	....	270
Walter pl.	Walter st.	Southwesterly	Private.	40	....	222
Walter	Walnut st.	{ about 100 ft. N. } { of Bradley st. }	Public.	40	548	....
Ward	Medford st.	Earle st.	Private.	30	....	610
Ware	Curtis st.	Dow st.	Private.	40	....	680
Warner	Powder House sq. . . .	Medford line	Public.	60	500	....
Warren ave.	Union sq.	Columbus ave.	Public.	40	663	....
Warren	Medford st.	Cambridge line	Public.	30 to 40	109	....
Warwick place	Warwick st.	Northeasterly	Private.	15	....	150
Warwick	Cedar st.	Warwick pl.	Public.	40	665	....
Washington ave. . . .	Washington st.	Northerly	Private.	18	....	350
Washington	Charlest'n line	Franklin ave.	Public.	75	1,060	....
Washington	Franklin ave.	Fitchburg R. R. . . .	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R. . . .	Cambridge line	Public.	60	2,344	....
Water	South st.	Northerly	Private.	25	....	250
Waterhouse	Broadway	Cambridge line	Private.	40	....	986
Watson	Broadway	Fairmount ave.	Private.	40	....	236
Waverly	Washington st.	Roland st.	Private.	35	....	200
Webster ave.	Union sq.	Cambridge line	Public.	49.5	1,955	....
Webster	Franklin st.	Cross st.	Public.	40	1,034	....
Wellington ave. . . .	Walnut st.	Montgomery ave. . . .	Public.	40	215	....
Wellington ave. . . .	Montgomery ave. . . .	Easterly	Private.	40	....	85
Wesley pk.	Wesley sq.	Northeasterly	Public.	40	405	....
Wesley	Pearl st.	Otis st.	Public.	40	515	....
West	Broadway	Heath st.	Private.	30	....	250
West	Hawthorne st.	Arlington Br. R. R. . .	Private.	30	....	460
Westminster	Broadway	Electric ave.	Public.	40	376	....
Weston ave.	Clarendon ave.	Broadway	Private.	40	....	525
Westwood road	Central st.	Benton road	Public.	40	489	....

Table Showing the Location, Length and Width of Public and Private Streets.—Concluded.

STREET.	FROM.	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wheatland . . .	Broadway . . .	Mystic ave. . . .	Public.	40	1,364	....
Wheeler	Pinckney st. . .	Mt. Vernon st. . .	Public.	40	269	....
Whipple	Highland ave. . .	Arlington Br. R. R.	Private.	30	....	318
†White	Elm st.	Cambridge line . .	Public.	..	307	....
White St. pl. . .	White st.	Southeasterly . . .	Private.	20	....	200
Whitfield road. .	Packard ave. . . .	Curtis st.	Private.	40	....	684
Wigglesworth. . .	Bonair st.	Pearl st.	Public.	40	744	....
William	Chandler st. . . .	College ave.	Public.	40	381	....
William	Broadway	Medford line . . .	Private.	50	....	45
Williams ct. . . .	Porter st.	Northwesterly . . .	Private.	30	....	150
Willoughby . . .	Central st.	Sycamore st.	Public.	40	427	....
Willow ave. . . .	Elm st.	Broadway	Public.	50	3,534	....
Willow pl.	Cambridge line . .	South st.	Private.	25	....	150
Wilson ave. . . .	Broadway	B. & L. R. R. . . .	Private.	20	....	310
Wilton	Lowell st.	Lawrence st. . . .	Public.	35	470	....
Winchester	Broadway	Medford line . . .	Private.	40	....	65
Windom	Elm st.	Summer st.	Public.	40	300	....
Windsor road. . .	Willow ave.	Hancock st.	Public.	40	575	....
Winslow ave. . . .	College ave.	Clifton st.	Public.	40	1,123	....
Winter	College ave.	Holland st.	Public.	30	402	....
Winter Hill cir. .	Broadway	Northeasterly . . .	Private.	25	....	177
Winthrop ave. (Extension.) . . .	Mystic ave.	Middlesex ave. . .	Private.	40	....	583
Woodbine	Centre st.	Lowell st.	Private.	30	....	600
*Woods ave. . . .	North st.	Alewife brook . . .	Private.	40	....	1,350
Woodstock	Victoria st.	Alewife brook . . .	Private.	40	....	415
*Woodstock (Extension.) . . .	Victoria st.	Tannery st.(Ext'n.)	Private.	40	....	920
Wyatt circle . . .	Wyatt st.	Wyatt st.	Private.	20	....	315
Wyatt	Concord ave. . . .	Lincoln parkway . .	Public.	40	496	....
Yorktown	Cambridge line . .	{ N. E. line Mal- }	Public.	40	294	....
Yorktown	{ N. E. line Malvern ave. }	Northerly				
			Private.	40	....	100

*Proposed.
†Sidewalk in Somerville.

Court	26 Craigie st. . .	Westerly	Private.	25	....	126
Court	36 Craigie st. . .	Westerly	Private.	25	....	126
Court	292 Broadway . . .	Southwesterly . . .	Private.	15	....	96
Court	58 Dane st.	Easterly	Private.	10	....	70
Court	66 Lowell st. . . .	Westerly	Private.	25	....	101
Court	78 Lowell st. . . .	Westerly	Private.	25	....	101
Court	Olive ave.	Porter st.	Private.	7.5	....	156
Court	10 Stone ave. . . .	Northwesterly . . .	Private.	20	....	113
Court	21 Albion st. . . .	Northeasterly . . .	Private.	10	....	100
Court	227 Columbia st. .	Northwesterly . . .	Private.	10	....	117
Court	11 Albion st. . . .	Northeasterly . . .	Private.	9	....	170
Court	20 Dimick st. . . .	Southwesterly . . .	Private.	39.25	....	136
Court	612 Broadway . . .	Southwesterly . . .	Private.	20	....	188
Total . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	376,086	121,616

Public, 71.229 miles (includes 2.843 miles boulevards); private, 23.033 miles.
Total length of streets in the city, 94.262 miles.



RESETTING EDGESTONES AND EXCAVATING FOR HASSAM PAVEMENT,
BROADWAY.



LAYING HASSAM PAVEMENT, BROADWAY.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, January 1, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-first annual report, containing a brief summary of the principal work performed by the highway department during the year 1906, with recommendations for necessary improvements and additions for the coming year.

The highway department has expended a large sum of money in the improvement of the streets and sidewalks during the past year, and many recommendations contained in my report of last year have been completed, namely:—

Medford Street, Broadway and Union Square.

Medford street, from School street to Broadway, Broadway, from Charlestown line to Cutter street on the south side, and on the north side to opposite Franklin street, Medford street, from Washington street to Central square, on the north side, and to Prospect-hill avenue on the south side, Union square, and a portion of Somerville avenue, to include the front of St. Thomas' church, have been paved with Hassam pavement, at a cost of \$1.50 per square yard, with a ten-year guarantee by the Simpson Brothers corporation, at a total cost of \$36,088.69.

The street railway company raised and repaired its tracks, and all mains and connections of the telephone, electric light, water, gas, and sewer pipes were repaired before the paving was laid.

Elm Street.

The department, with its own labor, paved the portion of Elm street extending from Davis square to the easterly line of Chester street with brick pavement, the joints being grouted with Portland cement on a concrete base, at a cost of \$1,965.38. The brick pavement in Davis square should be extended on Holland street, from the railroad crossing to Winter street.

Linwood and Hudson Streets.

Linwood street, the entire length, was re-macadamized, at a cost of \$3,711.15, trap-rock being used for the two top layers.

Hudson street, from Central street to Lowell street, was re-macadamized, and from Lowell street to Cedar street re-surfaced, at a cost of \$3,152.45. Specifications were sent out and bids called for, and the contract was awarded to the lowest bidder. This work was let out to contract more as an experiment to determine, if possible, the difference in cost of contract work and work done by day labor performed by the city's own citizens under the eight-hour law at twenty-five cents per hour. The difference in cost was a minimum.

Much good work has been accomplished during the past year toward improving the looks and general condition of the approaches to our city.

Broadway, from the Boston line to Cutter street, which is one of the main approaches, was paved with permanent pavement, the edgestones re-set where needed, a four-foot grass plot laid on the sidewalk from the curb to the brick, and the brick sidewalks re-laid where necessary.

The Boston Elevated Railway Company widened the space between their tracks to a width of nine feet, eight inches, and placed their poles therein. In the spring, after all the wires are connected with the underground and trolley system, the large, unsightly poles will be removed, trees will be planted to take the places of the dead ones, and the grass plots on both sides and in the space between the tracks will add greatly to the appearance of our principal thoroughfare.

I recommend that this improvement be extended the coming year to Cross street. The city should continue to pave some portions of the main streets with some kind of permanent pavement each year. By so doing not only will the main streets be in first-class condition, but also the side streets, which will be repaired with the old material from the excavating for the new paving.

City Ledge.

Quarrying has ceased temporarily at the city ledge on account of the land being to grade.

The city government passed an order to purchase the Collins and Ham ledge on Clarendon hill, which was referred to the incoming city government for their consideration. The purchase of this ledge would supply the department with stone for a number of years.

Stone Crusher.

The crushing plant has worked 290 days during the past year, but was unable to supply the demand for stone; 8,952 tons were crushed and 2,563 tons purchased during the year.

If the Collins and Ham ledge is purchased, it is the intention to move the crushing plant from Holland-street ledge to that site.

With the removal of the crushing plant from the Holland-street ledge, it will in all probability expedite the sale of this land, which is now on the market.

Street Cleaning.

All the streets, both public and private, were cleaned during the year, and all the paved streets swept as often as the highway appropriation would allow, \$13,797.17 being spent in this branch of the work.

The placing of one or more waste barrels at all the school-houses for the use of the pupils and on the main streets for the use of the public has not only saved the city expense, but has made such a marked improvement in the general appearance of the streets that it is my intention during the coming year to increase the number of barrels. The teaming in this branch of the work for the coming year will be increased, as the dumping places are few and far between.

Bridges.

The bridges are in good condition. The railroad commissioners have accepted the city's plans for the abolition of grade crossings on the Fitchburg divisions of the Boston & Maine railroad.

The construction of the bridges at Lowell street on the Boston & Maine railroad will develop the unimproved land in the vicinity of Albion and adjacent streets, and will be a great benefit to the general public.

Shade Trees.

Shade trees are a great improvement to the general appearance of a street. Many trees have been injured by electric wires, but as time advances and the wires are being buried, this difficulty will be removed. Many trees are injured and killed by gas leaks. In every case where trees have been set out the past year, a pole and a wire guard have been placed on them for protection. I recommend that the city purchase and set out shade trees on Summer street. The department has set out 150 trees, while thirty-one dead and dangerous trees were removed during the year.

Subways.

The subways at Kent, Sacramento, and Thorndike streets are in good condition. Men are assigned to care for the same, and extra help is provided in case of a storm.

Street Watering.

Under the law providing for the assessment for street watering, only accepted streets can be watered. When residents wish private streets watered, they must pay the cost of such watering in advance. The street watering is let out by contract at \$85 per month per cart, the contractor to furnish a competent driver, with a good pair of horses, and to see that his route, which comprises about two miles, is properly watered at all times, including Sundays and holidays.

There are thirty-four watering carts all painted and repaired by the department. So many new streets have been added to the street watering list that two carts were purchased during the year to care for the same.

The expenditures in this branch of the highway department were \$22,427.97.

Granolithic Sidewalks.

More granolithic sidewalks were laid during the year than ever before. Specifications were sent out and bids called for to lay the same. The contract was awarded to the lowest bidder, whose price was \$1.49 per yard, with a five-year guarantee. I recommend that the city do this kind of work with their own labor in the future.

Steam Rollers.

The city has three Buffalo Pitts steam rollers, one fifteen-ton roller, which has worked during the year 200 days, one twelve-ton roller, to which a new set of wheels has been applied, and which has worked 192 days, and one five-ton asphalt roller, that is always ready in case of emergency.

The department has received a large revenue by the letting of these rollers to contractors doing work in and for the city and to the various departments.

The department, free of cost, including the teaming, received so much good material for the bottom of streets to be re-macadamized and re-surfaced, and as it was found necessary to carry over so many streets to the next year's work without being covered with crushed stone on account of not being rolled, that I recommend the purchase of another fifteen-ton roller.

Snow and Ice.

During the winter of 1906 there were 2,168 loads of snow removed and a large sum of money spent sanding sidewalks and slippery streets on side hills. This renders the expenditures for street repairs correspondingly less, as no appropriation is made for the care of ice and snow; \$5,801.37 was spent in this branch of the work. It is the duty of this department to care for the re-



ELECTRIC AVENUE, BEFORE CONSTRUCTION.



ELECTRIC AVENUE, AFTER CONSTRUCTION.

removal of snow from all sidewalks in front of public buildings and public grounds, and to prevent them from becoming slippery. Ordinance No. 46, approved February 12, 1904, Sections 1 and 2 of which are quoted below, clearly regulates the removal of snow and ice on sidewalks.

Section 1. No owner or tenant of land abutting upon a sidewalk within the limits of any highway or townway in this city shall suffer to remain on such sidewalk for more than six hours between sunrise and sunset, on any day, any snow or any ice, unless such ice is made even and covered with sand or other suitable material to prevent slipping. Such owner and tenant shall remove all snow and ice from such sidewalk within the time and in the manner herein specified.

Section 2. Whoever violates any of the provisions of section one of this ordinance shall forfeit to the city the sum of twenty-five dollars for each offence.

Boxes filled with fine sand for slippery going on the smooth-paved streets, squares, and at subways have been placed within easy access for the push cart men who care for the same.

Wires Underground.

Permits for opening the streets for burying wires were issued to the Edison Electric Illuminating Company for the north side of Broadway, from Fellsway east to a point near Fenwick street, and to the New England Telephone and Telegraph Company for the south side of Broadway, from opposite Winchester street to Boston avenue. Permits were also issued to these two companies for opening streets to extend their underground system on main streets so as to connect with their overhead systems.

The total number of miles of conduits in this city is 13.17.

Accepted Streets.

Eleven streets have been accepted during the year, a total length of 5,393 feet, or 1.021 miles. Twelve streets were constructed at a cost of \$9,713.54, a total length of 5,385 feet, or 1.02 miles. In all streets that were constructed during the past three years, edgestones were set and twelve gutters paved with granite blocks before the construction work was begun. This will be a good custom to follow in the future. Twenty-seven streets were macadamized and re-surfaced at a cost of \$17,952.97.

Eleven thousand seven hundred and one dollars and thirty-three cents were spent for general repairs.

There are 71.229 miles of public streets and 23.033 miles of private streets, making a total length of 94.262 miles in the city.

Perambulation of Boundary Lines.

A committee was appointed to represent Somerville, consisting of the chairman of the highway committee, the city engi-

neer, and the street commissioner, to meet a committee from Boston June 26, 1906, for the purpose of perambulating the boundary line between Somerville and Boston. This committee has attended to its duty and made its report.

Sidewalks Maintenance.

I hope that the appropriation for sidewalks maintenance will be increased so that the department can make needed repairs on some of the old sidewalks which were laid years ago. Some sidewalks, where storm drains were constructed, have been re-laid, this department being reimbursed for the same.

Street Openings.

A great deal of complaint reaches the office of the street commissioner, for which he is blameless, as to the uneven condition of some of the newly-constructed streets and depressions in the gravel and brick sidewalks in the older portions of the city, which are due to trenches made by the sewer, water, gas, and underground wire connections. In many cases in the first instance the depressions are caused by trenches made to new houses after the street has been constructed, and in the second work being done late in the season after the ground is frozen.

The inspection of these trenches will be made by this department, and, if found unsatisfactory, will be repaired by skilled labor, the expense so incurred to be charged to the different departments and companies.

Tunneling under streets and sidewalks ought never to be allowed where the tunnel is more than six inches in diameter; and when borings are made for pipes, the bore should be made only large enough to allow the pipe to be put in position. From my experience, it can safely be said that it is impossible to re-fill a horizontal tunnel so that the pavement over the trench will not settle and require repairs which make extra expense for the department.

No department, company, or corporation should be allowed to open any street or sidewalk after the frost sets in unless in a case of emergency.

Dust Proof Streets.

Experiments with a dust layer called "Tarvia," a product from coal tar, was tried on some of our streets late in the fall, and their condition after passing through the winter will be watched with much interest as the spring approaches. If successful, this dust layer will be used to some extent, not only as a dust proof, but as a water proof and binder, as well.



APPLYING "TARVIA" ON A NEW MACADAM STREET.



FINISHING A NEW MACADAM STREET AFTER "TARVIA" HAS BEEN APPLIED.

Miscellaneous.

Specifications were sent to all the local and wholesale concerns, and bids called for for furnishing tools and supplies of all kinds, including edgestones, brick, sand, gravel, cement, paving stock, etc.

The bids were opened publicly in the mayor's office, and the contracts were awarded to the lowest bidder, preference being given Somerville citizens.

The department maintains its own painter, carpenter, blacksmith, horseshoer, and harness repairer, all employed at the city stable.

The electric calks sharpener has given good results; horses' shoes can be sharpened without taking them off in from five to fifteen minutes, thus saving time, expense, and the horses' hoofs. This machine is used in the summer time for sharpening axes, mattocks, grub hoes, and, in fact, all edge tools.

If the names of certain streets in different parts of the city which are known by the same name were changed, it would be a great convenience to the public.

The installing of a hot-water heating plant in the drying room for drying blankets and clothing has added an improvement long sought by this department.

This department has been called upon to furnish steam rollers, teams, crushed stone, sand, gravel, and ashes to the other departments, being reimbursed for the same.

There were 207 permits issued to the Cambridge Gas Light Company, and eighty-nine to the Charlestown Gas and Electric Company, for the opening of streets for gas connections and repairs; 204 permits were issued to occupy and eighty-four to open the streets, six to blast rock, and twenty-nine to cross the sidewalks to contractors and corporations, six to erect canopies, thirty-eight to feed horses, and five to run steam rollers through the streets; 137 permits were given to licensed drain layers to open streets for sewer connections.

There were 725 defects in the streets and sidewalks reported by the chief of police, and were promptly repaired, thereby in all probability saving the city from law suits.

One hundred and nineteen signs and guide posts were painted and erected by the department during the year.

Four hundred and nineteen and five-tenths square yards of crossings were paved with granite blocks, flagging, and brick, and 4,278.5 square yards of block stone gutters were laid, at a cost of \$8,434.30.

Two thousand three hundred and thirty-two yards of sand and gravel were used, 10,545 loads of dirt, and 8,707 loads of scrapings were removed from the streets.

Six thousand nine hundred and eleven loads of old macadam and 2,576 loads of ballast were used in the repairs and construction of streets. Four thousand two hundred and seventy-one

loads of ashes were used in the repair and construction of sidewalks and in setting and re-setting edgestones.

Four thousand six hundred and ninety-nine and five-tenths square yards of granolithic and 10,532 square yards of brick sidewalks were laid, and 12,335.2 feet, or nearly 2.43 miles of edgestones set, at a cost of \$27,497.44; 11,804.5 feet of edgestones, or nearly 2.24 miles, were re-set, and 5,699.8 square yards of brick sidewalks re-laid, at a cost of \$3,999.41. This amount includes patching sidewalks and attending to police reports of defects.

Recommendations.

I would most respectfully recommend that permanent paving be laid on Highland avenue, from Medford street to School street, especially in front of the public buildings, and that permanent paving be extended on Medford street, from Central square to Highland avenue, Medford street, from Washington street to Somerville avenue, be paved with the paving blocks that were removed from Union square, and Washington street, from opposite Tufts street to the Charlestown line, and Somerville avenue, from Kent street to Oak square, be paved with granite paving blocks.

Also that Marshall street, Summer street, from Belmont street to Cutter square, Central square, from Highland avenue to Summer street, School street, from Summer street to Highland avenue, be re-macadamized with trap-rock, and School street, from Medford street to Broadway, top-dressed with trap-rock, the base already being laid with the old material excavated from Medford street for the Hassam paving.

That edgestones be set and gutters paved with granite blocks on Willow avenue, south side, from Broadway to Morrison avenue, College avenue, from Broadway to the Medford line, Medford street, from the Boston & Maine railroad bridge to Highland avenue, Beacon street, south side, from Washington street to Park street, and on Elm street, from White street to Cutter square, where not already set.

I desire to acknowledge my indebtedness to his honor, the mayor, for the constant, active interest he has taken in this department, and for his valuable advice and encouragement; to the several members of the city government for their uniform courtesy and consideration, especially the highway committee, and to the heads of the different departments for their ready co-operation.

I desire, also, to acknowledge my appreciation of the faithful and conscientious assistance rendered me by the foremen, inspector, and employees during the year.

Highways Maintenance Account.

CREDIT.

Balance from 1905		\$4,646 56
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax	\$48,329 06	
Boston Elevated Railway tax	8,447 89	
Bills receivable (Health Department)	48 00	
Use of steam road rollers by sundry persons	213 96	
Thomas Allen (bill paid twice)	16 75	
Value of materials on hand January 1, 1906	613 83	
Value of tools and property on hand January 1, 1906	24,380 46	
		<hr/> 82,049 95
		\$86,696 51
Less amount transferred to Sidewalks Maintenance account		999 41
		<hr/> \$85,697 10
Profit and loss on tools, property, and materials		3,797 97
		<hr/> \$89,495 07
Total credit		

DEBIT.

Expenditures:—

For repairs of sundry streets as per table B, at end of this report	\$17,952 97
General repairs of streets	11,924 74
Repairs of stone paving	26 80
Repairs and maintenance of gravel sidewalks	2,664 18
Repairs of street crossings	214 23
Cleaning streets	13,797 17
Removing snow and ice and care of slippery sidewalks,	5,924 87
Repairs of gutters	1,473 12
Care of subways	184 13
Removing trees	200 74
Trimming trees	197 65
Setting trees	3 65
Care of trees	174 50
Discontinuance of Sherman street	36 65
Grading Warner-street sidewalks	47 00
Grading Broadway sidewalk, between Bartlett street and Glenwood road	224 04
Setting edgestones, Willow avenue, at railroad location,	86 20
Setting edgestone, College avenue, at Warner street	14 30
Sodding Broadway terrace	204 01
Street opening, Walnut road, off Walnut street	109 15
Advertising hearing (Lowell-street bridge)	12 75
Blacksmithing	173 50
Carpentering	155 38
Painting	86 69
Steam piping dry house at City stables	162 98
New sheds	61 27
Building road from Cedar street to City buildings	1,005 47
	<hr/>
Amount carried forward	\$57,118 14

Amount brought forward	\$57,118 14
Street Commissioner's salary	1,800 00
Street Commissioner's telephone	24 50
Street Commissioner's team (board of horse)	263 93
Street signs	471 77
Health Department (bills unpaid December 31, 1906)	191 90
Sundry expenses	734 93
Books, printing, stationery, and postage	108 35
Private work, the bills for which remained unpaid December 31	168 38
Abatement of accounts for collection	6 55
Value of materials on hand this day	896 43
Value of tools and personal property on hand this day:—	
Horses	\$6,210 00
Carts and implements used with horses	6,173 87
Harnesses and horse clothing	1,015 08
Stable utensils and property	495 50
Tools	2,521 89
Steam road rollers	7,500 00
Stone crusher and fittings	1,771 00
Street signs	96 25
	<hr/>
	\$25,783 59
Total debit	<hr/> \$87,568 47
Balance unexpended	<hr/> <hr/> \$1,926 60

Highways Construction Account.

CREDIT.

Balance from 1905	\$20 67
Appropriation	25,000 00
Transfer from Highways, Paved Gutters and Crossings	\$8,000 00
Transfer from Highways, Paving Broadway, Bow and Summer Streets	1,444 93
Transfer from Sewers Construction	2,000 00
Transfer from Shade Trees	83 40
Transfer from Thorndike-street Subway	34 47
Transfer from Public Buildings Construction, Hospital for Contagious Diseases	6 24
Transfer from Public Buildings Construction, High School Buildings	5 24
	<hr/>
	\$11,574 28
Less transfer to Highways, Paved Gutters and Crossings	397 53
Less transfer to Sidewalks Construction	1,065 91
Less transfer to Public Buildings Construction, Sanitary System	975 93
	<hr/>
	\$2,439 37
	<hr/>
Profit and loss on materials	9,134 91
	26 16
Total credit	<hr/> <hr/> \$34,181 74

DEBIT.

Expenditures:—

Construction or partial construction of streets, as appears by table A, at end of this report	\$3,074 76	
Less assessments	3,231 00	
		\$4,843 76
Paving Medford street, from School street to Broadway, with Hassam pavement		\$14,512 48
Paving Medford street, from Washington street to Central square, and Prospect Hill avenue, with Hassam pavement		2,127 84
Paving Union square, from Bow street to easterly corner of Stone avenue, and Somerville avenue, from Union square westerly (south side), 25 feet beyond St. Thomas' church, with Hassam pavement		4,243 02
Paving Elm street, from Davis square to southeasterly line of Chester street, with vitrified bricks		1,965 38
Paving Pearl and Medford streets (in 1905), from Cross street to School street, with Hassam pavement (final payment)		855 43
Discontinuing Frost avenue and Edmands street (recording releases)		15 30
Albion A. Perry, settlement of suit pending in superior court, in laying out Edmands street in 1904		100 00
Abatement of Highway Betterment Assessment, laid in 1905, for construction of Clarendon avenue		1,719 59
Advertising, Mossland street widening, at Elm street and Somerville avenue		5 50
Advertising and recording releases for streets not constructed		111 95
Bills receivable December 31, 1906		801 60
Total debit		\$31,301 85
Balance unexpended		\$2,879 89

Highways, Paved Gutters and Crossings.

CREDIT.

Balance from 1905	\$304 86	
Appropriation	17,500 00	
Transfer from Highways Construction account	397 53	
		\$18,202 39
Less amount transferred to Highways Construction account	8,000 00	
		\$10,202 39
Value of materials on hand January 1, 1906		339 38
Net gain on materials		24 53
		\$10,566 30

DEBIT.

Expenditures:—

For paving twenty gutters as per table	\$7,507 34
Amount carried forward	\$7,507 34

Amount brought forward	\$7,507 34	
Street crossings as per table	926 96	
Value of materials on hand this day	2,132 00	
	<hr/>	\$10,566 30
		<hr/>

Highways, Paving Broadway, Bow and Summer Streets.

PAVING BROADWAY WITH HASSAM PAVEMENT.

CREDIT.

Balance of appropriation of 1905	\$15,544 17	
Less amount transferred to Highways, Paved Gutters and Crossings	1,444 93	
	<hr/>	\$14,099 24
Receipts:—		
From Highways, Paved Gutters and Crossings (paving blocks)	631 46	
	<hr/>	
Total credit		\$14,730 70

DEBIT.

Expenditures:—

Simpson Brothers Corporation, payment on account of contract	\$12,672 81	
Bricks	25 75	
Circles	115 44	
Loam	20 00	
Lamp black	22 92	
Oil	7 50	
Water	10 00	
Gravel	29 90	
Advertising	5 00	
Labor	957 02	
City teams	119 70	
Changing line and grade of manholes and catch basins	56 62	
	<hr/>	
Total debit		\$14,042 66
		<hr/>
Balance unexpended		\$688 04
		<hr/>

Highways, Watering Streets.

CREDIT.

Receipts:—

Assessments and contributions from abut- ters	\$22,347 64	
Insurance on water carts (collected from contractors)	66 00	
Sale of old brass	9 00	
	<hr/>	
Total credit		\$22,422 64

DEBIT.

Expenditures:—

Inspector of street watering	\$737 60
Teaming (street watering)	17,821 68
New water carts (2)	700 00
Repairing carts	1,433 74
Painting carts	1,150 93
New horse	160 00
Use of horse	5 60
Board of horse	76 50
Horseshoeing	18 50
Insurance on carts	63 00
Stationery	15 50
Books	14 00
Printing	9 50
Clerical work (making up assessment list),	102 66
Repairing water posts	178 06
Incidentals	70

Total debit		\$22,427 97
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Amount overdrawn		\$5 33
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Highways, Shade Trees and Guards.

CREDIT.

Appropriation	\$500 00
Less amount transferred to Highways Construction account	83 40

Total credit		\$416 60
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DEBIT.

Expenditures:—

For labor, setting trees furnished by citizens	\$198 75
Use of city teams	36 40
Wire netting	168 00
Loam	11 00
Staples	2 45

Total debit		\$416 60
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Sidewalks Construction Account.

CREDIT.

Appropriation	\$12,000 00
Balance of appropriation of 1905 brought forward	739 75
Transfer from Highways Construction Account	1,065 91
Materials furnished prior to January 1, 1906, the bills for which remained uncollected that day	4 72

Total credit		\$13,810 38
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DEBIT.

Expenditures:—

For forty-six sidewalks constructed as per table C	\$27,416 14	
Less assessments	13,708 06	
		\$13,708 08
Constructing sidewalks as per table		81 30
Books, printing, and stationery		21 00
		<u>\$13,810 38</u>

Sidewalks Maintenance Account.

CREDIT.

Appropriation	\$3,000 00	
Transfer from Highways Maintenance Account	999 41	
		<u>\$3,999 41</u>

DEBIT.

Expenditures:—

Bricks used in repairing sidewalks	\$443 98	
Crushed stone	66 49	
Sand	102 38	
Gravel	81 90	
Cement	1 74	
Oil	15 00	
Labor	2,948 42	
City teams	339 50	
		<u>\$3,999 41</u>

TABLE A.
Streets Constructed in 1906.

STREET.	FROM	TO	CONSTRUCTED	LENGTH IN FEET.	COST.
Calvin street	Washington street	Beacon street	Wholly	635	\$ 725 12
Electric avenue	Curtis street	Packard avenue	Wholly	681	986 72
Franklin avenue	Washington street	Franklin street	Wholly	575	359 46
Jasper street	Pearl street	Gilman street	Wholly	283	347 84
Lexington avenue	Hancock street	Willow avenue	Wholly	624	1,143 26
Malvern avenue	Cameron avenue	Yorktown street	Wholly	410	1,000 25
Seven Pines avenue	Dane street	Cambridge line	Wholly	92	153 83
Skehan street	Bradley street	Hanson street	Wholly	306	220 62
Veazie street	Broadway	Marshall street	Wholly	261	379 38
Westminster street	Jaques street	Electric avenue	Wholly	376	429 32
Wheatland street	Cambridge line	Mystic avenue	Wholly	828	1,432 68
Yorktown street		Northasterly line			
		Malvern avenue	Wholly	294	896 28
Length in feet and cost				5,385	\$8,074 76

TABLE B
Streets Repaired.

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Adams street .	Broadway .	Medford street .	Re-surfaced .	907	\$96 22
Arlington street .	Franklin street .	Lincoln street .	Re-surfaced .	452	85 06
Ames street .	Bartlett street .	Robinson street .	Re-surfaced .	580	99 95
Boston street .	Greenville street .	Prospect Hill avenue .	Re-surfaced .	447	106 66
Cedar street .	Elm street .	Summer street .	Macadamized .	965	1,072 79
Cutter street .	Broadway .	Webster street .	Macadamized .	730	574 18
Essex street .	Medford street .	Richdale avenue .	Macadamized .	232	200 88
Evergreen avenue .	Marshall street .	Dartmouth street .	Macadamized .	700	375 29
Glen street .	Pearl street .	Tufts street .	Macadamized .	1,265	847 20
Gilman street .	Cross street .	Walnut street .	Macadamized .	1,430	1,553 24
Greenville street .	Medford street .	Boston street .	Re-surfaced .	380	138 35
Harvard street .	Summer street .	Beech street .	Re-surfaced .	717	295 93
Hathorn street .	Broadway .	Arlington street .	Re-surfaced .	339	70 52
Hudson street .	Central street .	Cedar street .	Macadamized .	2,760	3,152 45
Lee street .	Medford street .	Richdale avenue .	Re-surfaced .	385	232 10
Liberty avenue .	Powder House terrace .	Hall avenue .	Re-surfaced .	864	145 98
Linwood street .	Washington street .	Somerville avenue .	Macadamized .	2,114	3,711 15
Miner street .	Ames street .	Vernon street .	Macadamized .	244	50 68
Mystic avenue .	Charlestown line .	Medford line .	Re-surfacing .	1,743	2,669 97
Mt. Vernon street .	Perkins street .	Pearl street .	Macadamized .	473	182 35
Oakland avenue .	Marshall street .	School street .	Macadamized .	440	173 40
Perkins street .	Charlestown line .	Franklin street .	Macadamized .	1,336	1,078 77
Stickney avenue .	Marshall street .	School street .	Macadamized .	458	270 37
Somerville avenue .	Northerly side .	Craigie street .	Macadamized .	300	343 92
Sycamore street .	Lowell street .	Evergreen avenue .	Re-surfaced .	725	149 71
Tennyson street .	Pembroke street .	Foster street .	Re-surfaced .	480	46 80
Thurston street .	Medford street .	Richdale avenue .	Macadamized .	310	229 05
Length in feet and cost				21,776	\$17,952 97

TABLE C.
Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Belmont . . .	Easterly . .	James estate . .	Near Highland ave. .	....	208.1	....	\$227 50
*Boston avenue . .	Northeasterly . .	Broadway . .	Medford line . .	61.7	....	....	58 84
Broadway . . .	Southwesterly . .	Norwood avenue . .	Magoun square . .	....	386.5	....	424 48
Bradley . . .	Southerly . .	In front of estate of . .	St. James Church . .	....	123.5	....	132 68
*Campbell park . .	Westerly . .	In front of estate of . .	N. E. Tel. & Tel. Co. . .	....	39.7	....	37 60
Calvin . . .	Northerly . .	Meacham road . .	Kingston street . .	....	204.9	....	213 88
Cameron avenue . .	Both . .	Washington street . .	Beacon street . .	1,285.2	....	....	1,104 30
Cedar . . .	Easterly . .	Holland street . .	S'thw'ly line of est.No.24	....	....	223	380 90
Columbus avenue . .	Easterly . .	Broadway . .	Road leading to City . .	243.2	....	....	202 20
Conwell . . .	Both . .	Washington street . .	Buildings . .	502.1	....	....	497 18
College avenue and	Easterly . .	Highland avenue . .	Edgestone already laid	....	159.5	....	179 68
Warner . . .	Easterly . .	167 College avenue . .	Francis street . .	....	....	....	1,121 36
Dana . . .	Northerly . .	167 College avenue . .	Warner street . .	1,113.4	....	....	378 10
Dana . . .	Westerly . .	Otis street . .	Medford line . .	....	349	....	....
Dana . . .	Westerly . .	Otis street . .	Pearl street . .	165.3	....	....	....
Dell . . .	Southwesterly . .	Otis street . .	Bonair street . .	....	133.9	....	342 27
Edmonds . . .	Both . .	tufts street . .	Bonair street . .	....	299.3	....	294 56
Electric avenue . .	Both . .	Bradley street . .	Glen street . .	....	....	501.3	746 94
Elliot . . .	Westerly . .	Curtis street . .	Near Bonair street . .	1,386.4	....	....	1,334 55
Glen . . .	Easterly . .	Park street . .	Packard avenue . .	....	197.3	....	171 73
Gilman and . . .	Northeasterly . .	Flint street . .	Vine street . .	175	....	....	157 70
Walnut . . .	Easterly . .	Jasper street . .	Oliver street . .	288.4	....	....	272 80
Grant . . .	Easterly . .	Gilman street . .	Pearl street . .	....	366.7	....	357 00
Greenville . . .	Both . .	Broadway . .	Jaques street . .	780.2	....	....	788 22
Highland avenue . .	Southerly . .	Medford street . .	Boston street . .	....	129.3	....	173 62
	Westerly . .	Belmont street . .	Lowell street . .	....	585.3	....	570 49
		Hancock street . .	Willow avenue . .	....	....	....
			Carried forward . .	6,000.9	3,183.0	724.3	\$10,168 58

*Where not already laid.

TABLE C.—Concluded.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Holland . . .	Northerly	Simpson avenue . .	Brought forward . .	6,000.9	3,183.0	724.3	\$10,168 58
Simpson avenue . .	Westerly	Holland street . .	Paulina street . .	....	489.	....	450 51
Paulina . . .	Easterly	Holland street . .	End Hodgkins sch'l lot } End Hodgkins sch'l lot }	....	492.2	....	519 93
Hudson . . .	Southerly	Sidewalk already laid .	Cedar street . .	546.	....	....	570 53
Jasper . . .	Both	Pearl street . .	Gilman street . .	....	....	552.9	896 25
Josephine avenue . .	Southeasterly	Broadway . .	Frederick avenue . .	....	....	551.7	895 01
Knapp . . .	Northwesterly	School street . .	Granite street . .	....	259.8	....	271 90
Knowlton . . .	Northeasterly	Tufts & Washington sts.	End of edgestone . .	....	598.8	....	590 60
Lexington avenue . .	Both	Willow avenue . .	Hancock street . .	1,098.8	....	....	1,026 50
Medford . . .	Both	Washington street . .	Somerville avenue . .	....	1,689.4	....	1,721 11
*Rogers avenue . .	Southerly	Frederick avenue . .	Boston avenue . .	....	....	494.	807 51
Otis . . .	Both	Cross street . .	Dana street . .	....	1,533.	....	} 2,091 11
Skehan . . .	Both	Dana street . .	Wigglesworth street .	563.3	....	....	551 56
Seven Pines avenue . .	Northerly	Cameron avenue . .	Hanson street . .	595.2	....	....	115 95
Veazie . . .	Both	Bradley street . .	Cambridge line . .	132.1	....	....	438 03
Warner . . .	Southerly	In front of estate of .	Marshall street . .	495.7	....	....	48 48
Washington . . .	Northerly	Fitchburg R. R. bridge	Imogene C. Stanton .	47.8	....	....	1,469 73
Westminster . . .	Northwesterly	Broadway . .	Dane street . .	....	1,419.4	....	378 93
Wheatland . . .	Both	Broadway . .	Electric avenue . .	370.7	....	....	789 20
Willow avenue . .	Southerly	Jaques street . .	Mystic avenue . .	....	690.8	....	1,755 43
Windom . . .	Both	Brown schoolhouse .	Morrison avenue . .	1679.4	....	....	641 81
	Both	Highland avenue . .	Morrison avenue . .	551.9	....	389.4	516 50
	Both	Summer street . .	Elm street . .	573.5	....	....	700 98
				12,655.3	10,355.4	2,712.3	\$27,416 14

* Where not already laid.

TABLE D.

**Sidewalks Constructed Where the Bricks and Edgestones Were
Furnished by the Abutters.**

For	Street.	Feet of Edgestones.	Yards of Bricks.	Cost to City.
Martha R. Hunt	Thurston street . . .	....	164.9	\$62 10
Somerville Automobile Co.	Boston avenue . . .	51	....	19 20
	Total . . .	51	164.9	\$81 30

TABLE E.
Gutters Paved in Connection with Setting Edgestones.

STREET.	Side.	From	To	Square Yards.	Cost.
Boston avenue	Northeasterly	Broadway	Medford line.	37.6	\$63 32
Cedar street	Easterly.	Broadway	Roadway leading to City buildings	81.1	141 45
Calvin street	Both	Washington street	Beacon street	428.4	651 45
Columbus avenue	Both	Washington street	Edgestone already laid.	167.4	313 86
{ College avenue	Easterly.	No. 167 inclusive	Warner street	399.2	670 09
{ Warner street	Northerly	College avenue	Medford line.	55.1	111 39
Dana street	Easterly.	Otis street	Bonair street	462.1	686 12
Electric avenue	Both	Curtis street	Packard avenue	96.1	161 76
{ Gilman street	Westerly	Jasper street	Walnut street	260.1	545 64
{ Walnut street	Easterly.	Gilman street	Pearl street	58.3	109 61
Greenville street	Both	Medford street	Boston street.	182.	319 50
Glen street	Easterly.	Flint street	Oliver street.	366.3	593 38
Jasper street	Both	Pearl street	Gilman street	187.8	310 62
Lexington street	Both	Willow avenue	Hancock street	44.	84 71
Otis street	Both	Dana street	Wigglesworth street	198.4	421 70
Seven Pines avenue	Northerly	Cameron avenue	Cambridge line	165.2	283 35
Skehan street	Both	Dane street	Hanson street	123.6	210 90
Veazie street	Both	Bradley street	Marshall street	559.8	960 82
Westminster street	Northwesterly	Broadway	Electric avenue	214.8	485 70
Wheatland street	Both	Jaques street.	Mystic avenue	191.2	381 97
Willow avenue	Both	Highland avenue	Morrison avenue		
Windom street	Both	Summer street	Elm street		
			Total	4,278.5	\$7,507 34

TABLE F.
Driveways Constructed at Expense of Abutters.

FOR.	LOCATION.
Boston & Maine Railroad . . .	Medford street at Winter Hill station
James W. Colgan . . . . .	. . . . . 94 Dover street
Davenport Brown Co. . . . .	. . . . . Hawkins street
Harry Gavel . . . . .	. . . . . 23 Partridge avenue
James A. Kiley . . . . .	. . . . . 5-7 Linwood street
H. Osgood Lacount . . . . .	. . . . . 124 College avenue
Robert B. McKim . . . . .	. . . . . 19 Craigie street
Patrick McCrossan . . . . .	. . . . . 441 Norfolk street
National Casket Co. . . . .	. . . . . Somerville avenue (2)
James P. O'Neill . . . . .	. . . . . Columbia street
Charles E. Parkhurst . . . . .	. . . . . 79 Walnut street
H. J. Robinson . . . . .	. . . . . 8 Ames street
Charles H. Smith . . . . .	. . . . . 52 Sydney street
B. F. Smith and Bro. . . . .	. . . . . 72 Jaques street
George W. Whiting . . . . .	. . . . . 61 Mt. Vernon street
John M. Woods . . . . .	. . . . . Somerville avenue
J. Stearns Wyman . . . . .	. . . . . 66 Glenwood road
Anthony Viano . . . . .	. . . . . 140 Holland street

TABLE G.
Driveways Discontinued at Expense of Abutters.

FOR.	LOCATION.
Walter W. Calkin . . . . .	. . . . . Walnut street
Arvine Hager . . . . .	. . . . . Edmands street
Charles H. Ramsdell . . . . .	. . . . . Medford street

TABLE H.
Driveways Re-located at Expense of Abutters.

FOR.	LOCATION.
American Tube Works . . . . .	. . . . . Somerville avenue
Frederick C. Alexander . . . . .	. . . . . Somerville avenue
Carter, Russell & Co. . . . .	. . . . . Washington street

TABLE I.
Streets Accepted in 1906.

STREET.	WARD.	FROM	TO	WIDTH, FEET.	LENGTH, FEET.
Ash avenue . .	5	Meacham st. .	E. Albion st. .	40	554
Calvin street . .	2	Washington st.	Beacon st. . .	30	655
Cleveland street .	6	Central st. . .	Harvard st. . .	40	459
Franklin avenue .	1	Washington st.	Franklin st. . .	20	575
Giles park . .	3	Walnut st. . .	Northwesterly .	32.71	167
Heath street . .	5	Mt. Vernon ave.	Moreland st. .	40	364
Hinckley street .	5	Broadway . . .	Richardson st..	30 to 35	579
Jasper street . .	4	Pearl st. . . .	Gilman st. . . .	40	283
Loring street . .	3	Somerville ave.	Osgood st. . . .	40	413
Moreland street .	5	Meacham st. .	Mystic ave. . .	40	780
*Mossland street .	6	N'th'ly side, cor.	Elm st.	—	—
Pearson road . .	7	S'th'ly side, cor.	Somerville ave.	—	—
		Warner st. . .	Broadway . . .	40	564
		Length in feet			5,393

* Widening.

TABLE J.
Streets Discontinued in 1906.

STREET.	WARD.	FROM.	TO.	WIDTH, FEET.	LENGTH, FEET.
Edmands st. . .	4	Bonair st. . .	Northerly . .	40	86
Frost ave. . . .	2	Somerville ave.	Dane st. . . .	35	550
Sherman st. . .	2	Somerville ave.	Frost ave. . .	35	270
		Length in feet			906

TABLE K.

Street Crossings Laid.

BRICK.

Broadway, across same, between Irving street and Wallace street.
 Broadway, across same, from easterly side of Pearson road.
 Broadway, across same, from westerly side of Westminster street.
 Glen street, across same, from westerly side of Oliver street.
 Grant street, across same, from southerly side of Sewall street.
 Highland avenue, across same, from southeasterly corner of Conwell street.
 Highland avenue, across same, from easterly side of Cedar street.
 Highland avenue, southwesterly side, across Conwell street.
 Main street, northeasterly side, across Mt. Vernon avenue.
 Wheatland street, across same, at Broadway.
 William street, across same, from northwesterly side of Billingham street.

GRANITE FLAGGING.

Broadway, across same, extension from crossing previously laid from Arthur street.

Length of Accepted Streets in Each Ward.

												Miles.
Ward	1	.	.	.	.	.	.	.	.	.	.	9.291
"	2	.	.	.	.	.	.	.	.	.	.	7.952
"	3	.	.	.	.	.	.	.	.	.	.	7.370
"	4	.	.	.	.	.	.	.	.	.	.	9.147
"	5	.	.	.	.	.	.	.	.	.	.	11.056
"	6	.	.	.	.	.	.	.	.	.	.	11.591
"	7	.	.	.	.	.	.	.	.	.	.	14.822
												<hr/>
Total length of accepted streets in the city . . .												71.229

Respectfully submitted,

ASA B. PRICHARD,

Street Commissioner.

REPORT OF THE INSPECTOR OF TREES.

OFFICE OF THE INSPECTOR OF TREES, }
CITY HALL, January 1, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the following report, containing a brief summary of the principal work performed by this department during the year 1906, toward suppressing the gypsy and brown-tail moths in our city:—

Protecting Property Owners.

On October 1, 1906, there was a notice issued, with the approval of his honor, the mayor, from this office, a copy of which was left at each door in the city by the day police officer on the route, and in case of a vacant lot where trees existed, these trees were properly posted, in accordance with the law. On the lower part of this notice there was a request that work done by contractors should be inspected and approved by the inspector of trees before payment for the same is made.

Many owners of property took advantage of this offer and in this way were positively relieved of a second payment for the one job, and in case some nests were overlooked by the private parties, the person who made the inspection would see them, and the original party would be called back to complete the work.

Many cases of poor individual moth work have been discovered, and in many cases the person paid for the work was found and sent back to make good his agreement.

The Gypsy Moth.

The gypsy moth, a well-known European insect pest, was brought to America about 1868 by Professor Leopold Trouvelot for use in his experiments on silk-producing insects. Accidentally escaping, it spread gradually in the woodland near Professor Trouvelot's home in Medford, Mass., and becoming acclimated soon developed into a first-class enemy of fruit and shade trees. By 1888 the plague of the gypsy moth caterpillars had become notorious, and in 1890 the state commenced its work against the insect. This work, at first carried on by a commission, but principally by the State Board of Agriculture, resulted in bringing the pest under control, and by 1899 so few moths could be found and so little damage was caused by the insect that the legislature of 1900, probably not realizing the necessity of continuing control measures, stopped the work. The few moths left in 1900 have now multiplied to such an extent that

the caterpillar plagues of 1888-90 are duplicated each summer over a much larger area in eastern Massachusetts. Since these insects kill trees and shrubs by repeated defoliations, not to mention the annoyance caused by the invasion of houses by the swarming caterpillars, it is important that property owners should familiarize themselves with the appearance and habits of the moth and the best means for destroying it in its various stages of development.

Life History.

In July and August, the female moths lay their yellow, hair-covered egg masses on tree trunks, fences, walls, etc. Each egg cluster is about one and one-half inches in length, by half an inch in width, and contains about five hundred eggs. Hatching takes place in April or May. The young caterpillars first attack the buds, and later the blossoms and foliage. Spinning down on silken threads, they are blown about by the wind, or falling on teams are often transported long distances. As they grow, the effects of their feeding become more apparent, and badly infested fruit trees, shade trees, and woodland are soon as bare of foliage as in mid-winter. By July, the caterpillars change to pupae, from which the moths emerge in the course of two weeks to lay eggs for the next year's brood.

Distribution.

Teams, automobiles, electric cars, etc., are the principal means of spreading the moth. The female moths do not fly, and the caterpillars seldom crawl over 200 feet. But each infested spot, early in the spring, yields a swarm of tiny caterpillars, which by the agencies mentioned spread locally, or even to considerable distances, the main spread being, of course, along the principal lines of travel.

Food Plants.

The gypsy moth caterpillar is remarkable in that it attacks nearly all our common fruit and shade trees. The apple, oak, and willow would seem to be slightly preferred, while the white ash and rock maple are attacked to a less extent. Garden vegetables, flowers, and shrubs are consumed as readily as the foliage of fruit trees. Pines and other coniferous trees die as a result of one defoliation, while deciduous trees seldom survive stripping three years in succession.

Remedies.

Egg-destruction.—This is best accomplished by searching out the egg clusters in the fall, winter, or spring, and soaking them with creosote mixture. This preparation may be found in the hardware stores, and retails at seventy-five cents per gallon. In applying it a small paint brush is used, it being important to thoroughly soak the nests.

Burlapping.—When a loose band of burlap or other cloth is tied about an infested tree trunk, the caterpillars will gather under it in the early morning, and may then be destroyed by hand. The burlaps should be examined daily.

Spraying.—Spraying with arsenate of lead at the rate of ten pounds to one hundred gallons of water is very effective when the caterpillars are small. Any of the common hand outfits will suffice for the spraying of shrubs or flowering plants. For use on trees, a barrel pump is desirable. The poison should be thoroughly mixed in water, and applied if possible on a clear dry day.

Cutting and Burning.—In woodland infested by the moth, it is usually desirable to thin out the trees and cut the underbrush. The brush so obtained should be burned early in May after the caterpillars have hatched. If this work is followed by spraying and burlapping, the moth can be brought under control.

In parts of the city there are many worthless or scrub apple trees and other trees (especially the wild cherry tree, a regular moth breeder) which are neglected by their owners, and merely serve as breeding places for the moth pests; also worthless brush along fences and walls, principally in the West Somerville section, and property owners are urged to cut and burn such neglected trees and brush, thus doing away with the breeding places of the moths.

Natural Enemies.

While the gypsy moth is a serious enemy of trees, it has its own foes in the shape of predaceous insects, parasites, and birds. Several ground beetles prey on the caterpillars, while true parasitic insects attack both larvae and pupae. Several species of birds, notably vireos and cuckoos, consume large numbers of the caterpillars, while others, like the chewink, chickadee, blue jay, and crow, do their part in reducing the numbers of the pest. The services of these natural tree protectors is worthy of high praise, but in attempting to control the moth, the main reliance must be placed on human efforts—on the timely and thorough application of the remedial measures outlined above.

The state ceased its work in 1900, as previously stated, and in 1901 the city undertook the burden, and has since handled it.

There are nests to be found in all sections of Somerville, but this is caused by the work in the surrounding towns and cities lying idle from 1900 to 1905, when a law was enacted compelling these localities to take up the work where the state left off.

All colonies of this moth in this city have been broken up, and what now appear are scattering, and it is hoped soon to have them practically wiped out.

It is gratifying to think that we continued to destroy these fellows, while the surrounding cities lay idle, the results now showing the wisdom of our expenditures, which are about one-third of theirs.

The motto in our city has been changed from "Moth Control" to "Complete Extermination of the Gypsy Moth Within the City Limits." The residential section is entirely free from this moth, and our fight now is along the boundary lines of Cambridge and Medford.

The Brown-Tail Moth.

The history of the brown-tail moth is as old as the history of economic entomology. When the early scientists began to record the habits of insects injurious to fruit trees, this pest was one of the first to be described. It found its way to Somerville, Mass., in the late nineties, probably on rose bushes imported from Holland, and has now spread throughout eastern Massachusetts, southern New Hampshire, and southwestern Maine.

The first outbreak of the brown-tail moth covered only a few square miles in Somerville and Cambridge. It was sufficient, however, to yield a swarm of moths which flew, or were drifted by a high wind over a wide territory. As the female moth is a strong flyer, its spread has been rapid. In addition to the effect of the wind, the insects are also strongly attracted to light. It results, therefore, that a swarm of moths arising from any infested spot and being drifted by the wind out of their immediate environment fly to the nearest mass of lights. Thus the centres of cities and towns become first infested, and here are established the colonies from which a more general infestation takes place. Electric cars, railroad trains, and even steamboats serve to transport the moths. The rapid spreading of the insect indicates that within a few years it will be well distributed throughout New England.

Life History.

The brown-tail moth lays from two hundred to four hundred small globular eggs, thickly covered with a mass of brown hairs from the tip of the abdomen of the moth. The typical egg mass is about two-thirds of an inch long and about one-quarter of an inch wide. While the eggs are occasionally deposited on branches or trunks of trees, or even on lamp posts or house walls, a very large majority are laid on the under surfaces of the leaves of fruit and shade trees. The moths show a strong liking for pear trees, and will apparently seek out trees of this species in preference to any others. At the same time the apple, elm, wild cherry, and white oak are very commonly infested by the insect, while other trees suffer to some extent.

The eggs, laid in July, hatch the following month, and the young caterpillars, feeding in a mass, soon commence their work of spinning their winter webs. In making this web, a number of leaves in the vicinity of the egg clusters are drawn together and are carefully spun in with a tenacious silken web. With the approach of cold weather the caterpillars enter the web and close the exit holes. We then have the strange phenomenon of a

caterpillar wintering over when only one-quarter grown and emerging the following spring to complete its life history. Whatever extremes of cold we have in Massachusetts do not seem to affect these insects adversely. They emerge early in the spring, eat first the buds, then the blossoms, and attack the foliage of fruit trees as soon as it develops. The full-grown caterpillar is light brown, with a white stripe on either side, and about two inches in length. Stripping the foliage of one tree, they march to another, and so continue until full grown, when the cocoons are spun within the leaves at the ends of the branches, or sometimes on the tree trunks. The pupation usually takes place the latter part of June, and the moths emerge from the first to the twentieth of July. The snow-white female moth is conspicuously marked with an enlarged tuft of brown hair, which gives to the insect its common name.

Nettling by the Caterpillars.

The damage by the caterpillars to the fruit trees is only a part of the story. Whenever these insects come in contact with human flesh they produce a most severe and painful nettling. This is apparently not due to any poisonous material in the hairs, but rather to the finely-barbed and brittle hairs themselves. So severe is this affection that in many cases people have been made seriously ill by it. The best remedy for it is the liberal use of cooling lotions, or, what is more satisfactory, even if less pleasant, the free use of common vaseline.

Remedies.

The habit of the caterpillar in wintering over in webs at the tips of the branches gives a key to the simplest and cheapest remedy, which is merely to cut off and burn the webs during the fall, winter, or spring. This preventative means is most effective, and gives such excellent results that in Germany, France, and Belgium there is a law making it obligatory on property owners to destroy the webs during the winter season. Where citizens neglect to carry out this work it is done for them by local authorities, and the sum thus expended added to their tax levy.

Winter Work.—The work of removing the webs is best done by the use of a long-handled tree pruner or similar device. Particular care should be given to gathering the webs and burning them, as any left on the ground will yield caterpillars and continue the infestation locally.

Spraying.—Spraying is very effective against these insects; in fact, they are much less resistant to the action of poison than is the gypsy moth or elm leaf beetle. To secure best results, spraying should be done as soon as the foliage develops in the spring. Five pounds of the arsenate of lead paste to one hundred gallons of water is sufficient.

Where the caterpillars swarm from trees along fences or on house walls, the use of kerosene emulsion or strong soap suds is

advisable. Fall spraying with arsenate of lead is also effective, but the feeding of the caterpillars at that time of the year is usually of minor importance.

Little good can be done in the way of collecting the eggs or trapping the moths by light, although many of the mature insects are destroyed by arc lamps. There is no method of combatting the brown-tail moths that will give better results for the outlay than the destruction of the webs in the winter season. Cases will arise where the caterpillars swarm from adjoining estates, and where this occurs banding the trees with some sticky material, as heretofore described, will protect the foliage from harm.

Natural Enemies.

Like the gypsy moth, the brown-tail moth is attacked by numerous parasites and by certain birds, but the latter do not appear to take to it as readily as to the former insect. Of the birds, the cuckoos, vireos, and orioles are most helpful, while English sparrows eat many of the winged moths. The garden toad also does its part in feeding first on the migrating caterpillars, and later on the moths as they fall injured from the street lights.

The city moth crew clean the trees on the streets first, which takes until the first of March; they then inspect all the yards in the city, and in case the nests are still on the trees, they are removed, and the time consumed is charged to the owner, and is added to his tax bill as a separate item for moth suppression.

No state work has ever been done in this city against this moth. The city took hold of the problem in 1901 and dealt it a very severe blow, not stopping up to the present time. We can safely say the pest is under control, but we cannot wholly stamp it out while the surrounding cities and towns are really fighting for control, not to mention real suppression.

The brown-tail moth does not wait to be carried (as does her sister, the gypsy moth), but, being a powerful flyer, makes good use of her wings. Thus, no matter how perfect our work is done in this city, we shall continue to have brown-tails until the surrounding cities and towns are clear of them.

Our winter work relieves our citizens from being poisoned by this caterpillar. As we do not have the full-grown worm, we have only the moth, eggs, small caterpillar in September, and then the winter webs on the trees, which are cut down in cold weather by the moth men. The citizens are also relieved of their trees being eaten during the summer months. We also remove in the winter the nests made by the moths from other cities and towns.

Incinerating Apparatus for Brown-Tails' Nests.

At the city stables, in the highway department yard, is installed an apparatus for burning to ashes paper or rubbish of any kind, which the street commissioner kindly allows this department to use to burn brown-tail nests.

These winter webs of the brown-tail moth caterpillars (sometimes called nests) are clipped from the trees, gathered in buckets by the men, and later emptied into burlap bags of three-bushel capacity. These are carried every night to the incinerator which destroys them. By this manner of destruction, it seems almost impossible for any to escape.

The egg-clusters of the gypsy moth are painted with creosote oil on the objects on which they are laid, which totally destroys them. In case they are deposited on a house wall or newly-painted fence, judgment is used, and generally they are scraped off into the pail of oil.

The Parasite Problem.

At the state hatchery in Saugus many thousands of parasites have been hatched this past summer, and about 60,000 flies and beetles have been turned loose in the Fells and elsewhere, where they are not likely to be disturbed and can do the most good.

These parasites are mostly of the "fly family," the pimpala and the tachina genus being well represented. There are many ichneumon flies, and one kind of beetle called the calosoma beetle, which has a consuming hunger for gypsy and brown-tail moths, having a record here of eating thirty caterpillars a day. The experts have to go through the broods of the parasites and carefully separate from the flock the secondaries, after which the primary parasites are turned loose all over the infested territory.

The other parasites lay their eggs on or in the caterpillars, and the worm that hatches bores its way along inside the unfortunate victim, which usually dies just as the little worm reaches maturity and assumes the pupae stage. In this stage they look like elongated shot, and are carefully picked out of the debris coming from Europe.

It will be remembered that this is the largest entomological experiment ever attempted, and it appears to be successful.

All parts of Europe contribute these parasites, and they are gathered from as far north as Berlin and south as far as Sardinia. France and Austria also contribute their share for the protection of New England vegetation.

None of these parasites are in any way harmful to human beings. They do not bite or more than light on a person, but attend strictly to the search of their legitimate prey, the caterpillar family.

Great hopes are entertained as to the assistance which will be had from these small insects, and another year will show whether they have withstood our climate and how much work they will do toward moth destruction.

The Japanese Bug Found in Dorchester.

Cuidocampa flacescaus, the Japanese moth found in Dorchester, seems to be confined at present to a section around Blue

Hill avenue, it being learned from investigation that the moth was brought to this country from Japan several years ago by a party of Japanese who came to the Japanese hospital on Blue Hill avenue. It is known that the moths are to be found also in China and Korea.

The species has been found nowhere else in the country, but the rapid spread in Dorchester is alarming, and steps will soon be taken to prevent its spread through the state.

Upon a careful investigation, we are very thankful to find our city free from this pest.

Information on Imported Elm Leaf Beetle.

Owing to the prevalence of this insect in the Winter-hill district of our city this year, and the numerous inquiries which were made concerning its habits, the following information may be found useful:—

The mature beetle hibernates in large numbers under shingles and clapboards of buildings and under the rough bark of trees, and elsewhere. In May the beetles emerge from their winter quarters and feed for some weeks on the foliage of the elm, making round holes through the leaves. A badly-infested tree at that time of year appears as if charged with fine shot had been fired through the foliage. The eggs, similar in appearance to those of the potato beetle, are laid in clusters on the under side of the leaves. Hatching takes place late in May or early in June.

The slugs feed on the lower epidermis of the leaf, and by July 1 often cause the trees to turn as brown as if scorched by fire. When full grown, the slugs are about one-half an inch long, yellowish, with a conspicuous black stripe on either side, and black dots down the centre of the back. About the middle of July they descend to the trunk of the tree or to the ground, and pupate in large masses. The pupae are orange yellow in color, and from them the beetles emerge by August 1.

Remedy.

Spraying with arsenate of lead during the first two weeks of June will destroy the slugs and prevent injury to the trees. Care must be taken to thoroughly spray the under surface of the leaves. Later in the season the slugs and pupae may be destroyed in the bark or at the base of the trees by the use of strong soap suds, kerosene emulsion, or even hot water.

The above remedies were both used very effectively where the beetles appeared.

The English elm trees were generally favored as the food for this insect.

This insect is periodical, appearing three years ago around Cutter square and Broadway, near Bond street; preparations were made to encounter it the following June, and nothing was

seen of it until this summer, when it seemed to drop in great numbers and all at the same time. Authorities are now in dispute whether it will appear or not in 1907, but, however, we will expect and be ready for it, and be agreeably disappointed should it not make an appearance.

Miscellaneous.

The total expenditure for moth suppression since the state ceased its work in 1900 is \$25,141.17. The city crew removed the moth nests on 1,307 private estates in 1906. One thousand sixteen poles owned by the New England Telephone & Telegraph Company, and about 4,000 owned by the Edison Illuminating Company of Boston have been inspected, and the egg clusters destroyed when found, at the expense of the owners of said poles.

Removing the moth nests from the trees in the city's gravel pit in Waltham cost \$88.80.

Two hundred and fifty-seven notices were posted on trees on vacant lots throughout the city. Over 11,000 notices were delivered at houses by the police department during October.

From ten to sixteen pounds of arsenate of lead to the 100 gallons of water was the mixture used in spraying the trees against the brown-tail and gypsy moth, together with the elm leaf beetle.

Seventy-nine bushels of winter webs of the brown-tail moth were gathered from the street trees, covering fifty-seven working days. Forty-eight bushels of winter webs were gathered from trees on private property, covering thirty-one working days.

Properties of the Department.

- 1 100-gallon Ware hand spraying machine, with hose.
- 1 50-gallon barrel hand pump, with hose.
- 2 cyclone burning machines, with hose and nozzles.
- 2 dozen telegraph pruners, with 18-foot poles.
- ½ dozen Waters tree pruners.
- 1 double-edge pruning saw.
- 2 hand saws.
- 2 cross-cut saws.
- 1 cross-cut bull saw.
- 5 axes.
- 1 brush scythe.
- 2 18-foot ladders.
- 2 21-foot ladders.
- 4 36-foot extension ladders.
- 1 45-foot extension ladder.

Recommendations.

I would most respectfully recommend that a gasoline spraying machine be purchased the coming spring. The two machines now used are of hand power, and are insufficient to perform the work expected of the department at the present time.

We are called upon to do all the tree spraying throughout the city, both on street trees and in private property.

Four lines of hose are used when spraying the large elms. This requires both machines to operate them, which takes a man on either pump, while with a power sprayer we can operate as many lines of hose as can be properly used with the one man handling the machine. Time and money could be saved by the purchase of such a machine.

I wish to extend my sincere thanks to his honor, the mayor, the board of aldermen, heads of departments, and all city officials with whom I am associated, and the general public, for their help and hearty co-operation with this department in its hazardous undertakings, and I would express my appreciation of the efficient services of the foreman, inspectors, and all others employed in the department. I extend my especial thanks to the street commissioner, with whom I am associated daily, for the many suggestions and cheerful advice offered me throughout the year.

If our trees are to be saved from these insects, the hearty co-operation of all citizens will be necessary. Without such co-operation little can be accomplished; with it, the pests can be brought under control.

Highways, Suppression of Gypsy and Brown-Tail Moths.

CREDIT.		
Appropriation	\$3,500 00	
Transfer from Water Income	1,000 00	
		<hr/>
		\$4,500 00
Receipts:—		
Assessments and contributions from sundry persons		1,239 76
		<hr/>
Total credit		\$5,739 76
DEBIT.		
Expenditures:—		
Inspector	\$508 50	
Labor, removing brown-tail and gypsy moths from trees	4,914 47	
Tools	438 11	
Repairing tools	35 92	
Creosote and lead	150 50	
Oil	98 91	
Burlap and twine	37 07	
Tanglefoot	15 75	
Use of city teams	250 70	
Clerical service	49 33	
Books, printing, stationery, and printing	117 78	
Incidentals	36 07	
		<hr/>
		\$6,653 11
		<hr/>
Amount overdrawn		\$913 35

CHARLES I. BUCKNAM,
Inspector of Trees.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
CITY HALL, Somerville, January 1, 1907. }

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—I have the honor, as commissioner of public buildings, to submit the following as the report of the department of public buildings and the department of inspection of buildings for the year 1906. In submitting this report, I desire to express my appreciation of the valuable counsel and assistance received from his honor, the mayor, and from the members of the honorable, the board of aldermen.

Construction Work.

HIGH SCHOOL ANNEX.

The construction of the Latin High school annex was completed and the building made ready for occupancy in September of the year 1906. This building was constructed at the rear of the present Latin High school, and is 100 feet in length and fifty feet in width. It is a four-story building, each of the first, second, and third floors of which is divided into four rooms, and the fourth floor into three rooms. Each floor also contains the necessary corridors, coat rooms, closets, etc. The entire addition contains nine classrooms and six recitation rooms. The entire seating capacity is 624.

A corridor connecting the present English High school building with the new addition was also constructed. The addition, with the accommodations provided by this improvement, has proved to make the conditions in the High school more comfortable and better fitted for the school work.

SANITARIES, BELL, BINGHAM, AND EDGERLY SCHOOLS.

Sanitary systems were installed in the Bell, Bingham, and Edgerly school buildings during the summer months of the past year, under an order passed by the board of aldermen June 28, 1906, and approved by the mayor June 29, 1906. The modern hydraulic closet systems were installed in each instance to take the place of the antiquated systems in use in these buildings. These improvements were very much needed, and were completed in time for the opening of the schools in September, and have proved entirely satisfactory.

CONTAGIOUS HOSPITAL.

The construction of the contagious hospital was completed in February, and opened for patients under the direction of the board of health on March 18, 1906. The dwelling house, owned

by the city, situated at the corner of North street and Broadway, was used for this purpose. An addition was constructed to this house, which is used for the administrative part of the institution. The original house, generally remodeled, is used for the hospital purposes. The entire building, including the addition, contains six wards, four private rooms for patients, four nurses' rooms, two rooms for cooks, matron's room, dining-room, office, serving rooms, kitchen, and laundry. The total capacity of the institution, for patients, is thirty-five.

Care and Repair of Public Buildings.

The public buildings, which are placed, in accordance with the charter requirements, under the jurisdiction of the commissioner of public buildings, are as follows:—

- Baxter school—Value, \$32,955.64; constructed in 1901; location, Bolton street.
- Bell school—Value, \$45,400; constructed in 1874; location, Vinal avenue.
- Bennett school—Value, \$59,448.32; constructed in 1902; location, Maple street.
- Bingham school—Value, \$68,885.04; constructed in 1886; location, Lowell street.
- Brown school—Value, \$39,690.16; constructed in 1901; location, Willow avenue.
- Burns school—Value, \$34,760; constructed in 1886; location, Cherry street.
- Carr school—Value, \$53,800; constructed in 1898; location, Atherton street.
- Cummings school—Value, \$11,921; constructed in 1884; location, School street.
- Davis school—Value, \$22,720; constructed in 1884; location, Tufts street.
- Durell school—Value, \$19,720; constructed in 1894; location, Beacon street.
- Edgerly school—Value, \$44,230; constructed in 1871; location, Cross street.
- Forster school—Value, \$85,290; constructed in 1866; location, Sycamore street.
- Glines school—Value, \$80,540; constructed in 1891; location, Jaques street.
- Hanscom school—Value, \$49,580; constructed in 1897; location, Webster street.
- Latin High school—Value, \$78,537; constructed in 1871; location, Highland avenue.
- English High school—Value, \$137,900; constructed in 1895; location, Highland avenue.
- Highland school—Value, \$60,560; constructed in 1880; location, Highland avenue.
- Hodgkins school—Value, \$71,700; constructed in 1896; location, Holland street.
- Knapp school—Value, \$50,540; constructed in 1889; location, Concord square.
- Lincoln school—Value, \$18,220; constructed in 1885; location, Holland street.
- Morse school—Value, \$48,199; constructed in 1869; location, Summer street.
- Perry school—Value \$37,030; constructed in 1899; location, Washington street.

Pope school—Value, \$80,160; constructed in 1891; location, Washington street.
Prescott school—Value, \$66,260; constructed in 1867; location, Pearl street.
Proctor school—Value, \$42,820.16; constructed in 1905; location, Hudson street.
Lowe school—Value, \$51,826.16; constructed in 1903; location, Morrison avenue.
Public library—Value, \$42,000; constructed in 1884; location, Highland avenue.
Police building—Value, \$57,000; constructed in 1874; location, Bow street.
City hall—Value, \$45,532.32; constructed in 1851; location, Highland avenue.
City hall annex—Value, \$20,655.02; constructed in 1898; location, Highland avenue.
Contagious hospital—Value, \$22,793.76; constructed in 1906; location, Broadway.
City home—Value, \$37,901.73; constructed in 1871; location, Broadway.
City stables—Value, \$84,000; constructed in 1894; location, Broadway.
Health shed—Value, \$1,189.79; constructed in 1905; location, Broadway.
Water department stables—Value, \$32,000; constructed in 1889; location, Cedar street.
Central fire station—Value, \$37,200; constructed in 1893; location, Medford street.
Engine 2 building—Value, \$33,600; constructed in 1894; location, Broadway.
Hose 2 building—Value, \$10,800; constructed in 1871; location, Marshall street.
Ladder 1 building—Value, \$56,143.18; constructed in 1904; location, Union square.
Ladder 2 building—Value, \$15,300; constructed in 1894; location, Highland avenue.
Hose 5 building—Value, \$16,900; constructed in 1888; location, Somerville avenue.
Hose 6 building—Value, \$18,200; constructed in 1898; location, Holland street.
Engine 4 building—Value, \$15,900; constructed in 1874; location, Highland avenue.
Total, \$1,939,858.28.

Recommendations as to the Care and Repair of the Public Buildings.

I feel that the department has done everything in its power to keep the public buildings in a comfortable and hygienic condition. The public buildings of the city are in a good average condition in the above-mentioned regard. When I say "a good average condition," I do not mean to convey the impression that there are no important matters requiring attention. A considerable number of our public buildings are old, and should be seriously considered as to condition and equipment. In this matter I feel that a liberal appropriation should be made for this work when the annual financial budget is considered, at which time a detailed list of the recommendations concerning public buildings will be made by this department. An important duty of the commissioner of public buildings is that of directing the janitors of the public buildings in their care of the buildings.

This duty can only be performed properly by personal supervision and direction. The commissioner has given as much time to this work as his other duties have permitted, but realizes that more time should be given. Being desirous of keeping the condition of the public buildings of Somerville in a perfect condition in this regard, I therefore respectfully recommend that the position of head janitor be established. This position may be filled by some member of the present force of janitors or by some person not at present connected with the department. It would become the duty of the head janitor to make systematic visits to the different buildings, give directions to janitors as to methods of cleaning, use of fuel, handling of mechanism, and other details too numerous to mention.

The personnel of the janitor force of the city is, I believe, second to none in the state, and the janitors have, in most cases, proved to be painstaking and careful in their work. The above recommendation as to a head janitor will tend, I am sure, to make the janitors more careful and painstaking, and bring the standard to a condition nearing perfection.

When the present commissioner assumed the duties of the office, he found a code of rules laid down for the janitor service. He felt that better results could be obtained by abolishing these rules, as such, and did so. He gave directions to the janitors that they were to keep their buildings clean at all times, comfortable as to temperature, and respond cheerfully to any request that the principals, teachers, or other occupants might make of them regarding the janitor's work. He felt that this was the best arrangement to work under, and he is of the same opinion at the present time, notwithstanding some slight criticism of this action.

Heating and Ventilating Systems in the School Buildings.

School.	No. of Rooms.	System.	Working Condition.
Baxter	6	gravity—automatic control	good
Bell	12	fan— automatic control	good
Bennett	12	gravity—hand control	good
Bingham	16	gravity—hand control	good
Brown	6	gravity—hand control	good
Burns	8	gravity—hand control	good
Carr	16	gravity—hand control	good
Cummings	4	furnace	not satisfactory
Davis	4	furnace	not satisfactory
Durell	4	gravity—hand control	good
Edgerly	12	gravity—hand control	good
Forster	12	gravity—hand control	good
Forster Annex	6	gravity—hand control	good
Glines	14	gravity—hand control	good
Hanscom	6	fan— hand control	good
High	47	fan— { part hand control { part automatic control	good
Highland	12	furnace	fair
Hodgkins	12	gravity—hand control	good
Knapp	12	gravity—automatic control	good

Heating and Ventilating Systems in the School Buildings.—Cont'd.

School.	No. of Rooms.	System.	Working Condition.
Lincoln	4	gravity—hand control	good
Morse	12	furnace—hand control	fair
Perry	8	gravity—hand control	good
Pope	12	furnaces	not satisfactory
Prescott	12	fan— automatic control	good
Proctor	8	gravity—hand control	good
Lowe	8	gravity—hand control	good

The word good does not necessarily mean perfect, but is intended to convey a description of the general working condition.

It has been proven by careful observation and tests by competent engineers and schoolhouse custodians that the best-regulated systems in the larger buildings, as to uniformity of temperature, are the fan systems with automatic control. It has also been demonstrated by the same authorities that the gravity system with hand control is very satisfactory, but in the gravity system much depends on the intelligence and watchfulness both of the janitors and the teachers. The question as to the advisability of installing automatic control systems in connection with the gravity plants is being seriously considered by this department. As will be seen by the foregoing table, there are two school buildings in the city equipped in this manner. They work well in these buildings, and it may, after further tests, be advisable to equip all of the gravity plants with automatic control.

The gravity system is economical to install and run, and with a successfully working automatic control system will be the best system to install in the smaller and more compact school buildings.

The school buildings heated by furnaces should be re-fitted with steam heating, either of the gravity or fan systems. There are five of these furnace systems in the city, and I would recommend that they be remodeled as to the heating and ventilating systems, as above noted.

In general, the question of the heating and ventilating of the school buildings is an important one, and no plan for new work or the changing of old should be adopted without careful thought and study.

Expenditure of Public Buildings Department, 1906.

Care and repair of school buildings	\$56,119 92
Care and repair of fire buildings	4,426 00
Care and repair of city buildings	18,363 45
Election expenses	883 95
Inspection of buildings	4,135 47
Total	\$83,928 79

An itemized list of expenditures may be found in the appendix to the treasurer and collector's report.

Sanitation.

This department has continued during the year just passed the work of replacing the old systems of sanitation by new plumbing, and the following table will show the systems in use and the condition:—

School.	System.	Ventilation.	Gen'l Working Condition
Baxter	hydraulic closet system	local vented	good.
Bell	" " "	" "	"
Bennett	" " "	" "	"
Bingham	" " "	" "	"
Brown	" " "	" "	"
Burns	" " "	" "	"
Carr	" " "	" "	"
Cummings	" " "	" "	fair
Davis	" " "	" "	fair
Durell	hydraulic Latrine	" "	fair
Edgerly	hydraulic closet system	" "	good
Forster	" " "	" "	"
Forster Annex	" " "	" "	"
Glines	" " "	" "	"
Hanscom	" " "	" "	"
Latin High	" " "	" "	"
English High	" " "	" "	"
Highland	" " "	" "	"
Hodgkins	" " "	" "	"
Knapp	" " "	" "	"
Lincoln	" " "	" "	"
Morse	" " "	" "	"
Perry	" " "	" "	"
Pope	" " "	" "	"
Prescott	" " "	" "	fair
Proctor	" " "	" "	good
Lowe	" " "	" "	"

The word good does not necessarily mean perfect, but is intended to convey a description of the general working condition. Except as to minor repairs and improvements, I have nothing to recommend in respect to the sanitary systems, with the exception of the Cummings and the Davis schools. The sanitary rooms in these schools are equipped with individual closets, which are difficult to keep in as clean a condition as the commissioner desires. I therefore recommend that these two systems be equipped with modern closets during the summer of 1907, in the vacation months. The care of the numerous sanitary rooms has been very satisfactory during the past year, and the janitors have, under the direction of Duncan C. Greene, the inspector of plumbing, who has made weekly inspections, been painstaking, and have taken special pride in this particular work. In general, the subject of sanitation of school buildings is of the utmost importance and requires careful attention at all times. In September of the year just passed a careful inspection was made of all the sanitary systems in the school buildings by Mr. Burfitt, state inspector of buildings, and the following is a copy of the report submitted to the state inspection department by him after completing his work:—

Office of the
Inspection Department of the District Police,
State House.

Boston, Mass., October 5, 1906.

Joseph A. Moore, Deputy Chief,
Inspection Dept., Mass. District Police.

Dear Sir,—By your request, I have inspected all of the school buildings in the city of Somerville, and beg leave to report as follows: I find most of these buildings in excellent condition as to their sanitarities. The Lincoln and Davis school buildings can be improved as to the sanitarities by placing heat in their ventilating flues. The Pope school, Highland and Cummings schools should be improved in their system of ventilation. The Proctor school has one room on the second floor intended when built to be used for a recitation room, but now used for a classroom, which should be ventilated. The Burns school building should have improved egress from the second floor. In all school buildings where stairs are not railed on each side, should be railed. All schools not supplied with chemical fire extinguishers should be supplied. The Glines school building, that is equipped with a fan to supply air to rooms, should be run at a lower rate of speed, and be provided with some means to change speed from high to low rate. The city inspector was with me during my inspection, and the desired changes have been explained to him in detail.

Respectfully yours,
Charles E. Burfitt,
Inspector.

Fire Protection.

The question of protection against fire in the public buildings of the city is a subject which cannot be considered too carefully. The state inspector of public buildings, whose finding may be found elsewhere in this report, made his annual inspection of all the school buildings in the city in September of the year 1906, and with the exception of one building, viz., the Burns school building, he pronounced the means of egress as meeting the requirements of the state department. Every school building in the city is equipped with chemical extinguishers, which have been placed where it seemed most advisable. In a few instances I would advise that additional chemical extinguishers be provided to still further protect these school buildings in case of fire, and I shall recommend that in the annual financial budget a sufficient appropriation be provided for this purpose. It is important in connection with this subject that particular attention be paid to the basements, that the space around the heating apparatus be protected, and that no waste matter be allowed to accumulate. The commissioner believes that, with the excellent fire drill in use in the Somerville schools, together with the protection outlined above, the safety of the occupants of the school buildings in case of fire will be established.

School Furniture.

It is a duty of the commissioner of public buildings to provide school furniture when necessary in the various school buildings. During the last few years a large number of the old-

fashioned seats and desks have been taken out, and the modern adjustable seats and desks installed. Each year as much of this work has been done as the finances of the city have permitted. With the adjustable furniture, the height of the seats and desks may be so regulated that the pupils are made more comfortable. The total number of sets of school furniture in use at the present time in the schools is 12,644. Of this number, 9,204 sets are adjustable and 3,440 are non-adjustable. The cost of equipping a classroom of forty-nine pupils is about \$200. It will therefore be seen that, in order to substitute 3,440 sets of adjustable furniture for the fixed furniture, the cost would be about \$14,040.08.

This expenditure in one year, in addition to the other requirements, is, of course, out of the question, but if a part is done each year, as has been the practice, the entire school system will, in a short time, be thoroughly equipped in this particular. The present commissioner has depended wholly on requests from the superintendent of schools in the matter of school furniture, believing that the superintendent's knowledge of the seating and arrangement of pupils is better, naturally, than the commissioner's.

The requests during 1906 from the superintendent of schools relating to school furniture have been complied with in every case, and I deem it advisable to continue during 1907 the same policy of doing what we can in changing the fixed furniture to the adjustable style.

Recommendations as to the Inspection Department.

The commissioner of public buildings is also the inspector of buildings for the city, and the duties of this latter position are not the least of the many demands upon him. Inasmuch as the city of Somerville is being rapidly covered over with frame-constructed buildings of the residence type, and consequently drawing to the city a large number of people who seek comfortable homes, it seems to the commissioner that the city should do everything in its power to protect the interests of these people who are investing their savings and locating in these homes. I therefore respectfully recommend the following:—

(1) That as early as practicable in the year 1907 a commission of three members be appointed by the mayor to draw up an entirely new code of building ordinances to meet the conditions under which the city is developing, and conform to modern views.

(2) That the addition of at least one competent inspector be made to the present working force of the inspection department to assist in bringing about a more stringent enforcement of the building ordinances.

There have been issued during the year 1906 318 permits for new buildings and alterations. This number is seven more than in 1905. The total estimated cost of new buildings and alterations

in 1906 was \$1,031,835, while the same in 1905 was \$870,530, showing an increase of \$161,305.

During the year 1906 there have been made 1,122 inspections of private buildings in the course of construction.

The following table will show the number of permits in each ward and the uses for which they were intended:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings	3	12	17	16	24	26	125	223
Dwellings and stores .	2	1	1	2	4	6	5	21
Stables	4	2	0	0	2	2	0	10
Miscellaneous	13	4	3	13	4	10	12	59
Brick buildings	1	1	0	0	1	2	0	5
Total	23	20	21	31	35	46	142	318

The number of plumbing permits issued during the year was	477
Permits for plumbing in new buildings	216
Permits for plumbing in old buildings	261
Number of buildings in which soil pipes were tested	373
Number of master plumbers' licenses, 3 at \$2	\$6.00
Number of journeyman plumbers' licenses, 2 at \$.50	1.00
Number of master plumbers' licenses renewed, 36 at \$.50	18.00
Number of journeyman plumbers' licenses renewed, 25 at \$.50	12.50
Amount received in fees	37.50

Respectfully submitted,

WALTER T. LITTLEFIELD,

Commissioner of Public Buildings.

REPORT OF THE ACTING COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }
CITY HALL, January 1, 1907. }

To the Honorable, the Board of Aldermen:—

Gentlemen,—I herewith submit my first annual report of the electrical department for the year ending December 31, 1906, also some suggestions and recommendations which I hope will receive due consideration.

Electrical Department.

This department has supervision of the fire and police signal systems and the inspection of all buildings equipped with electric lights and power service, also of all poles and wires in the city's streets.

The electric lights, private telephone bells, etc., in the public buildings have been kept in order by this department.

During the year 120 dangerous square poles have been replaced by the different companies by round chestnut poles, which are considered more durable and possess more strength for the support of wires and fixtures.

To the Edison Electric Illuminating Company 314 permits were issued for the attachment of wires, etc., in buildings for light and power, after inspection of the same by this department.

To the New England Telephone and Telegraph Company 546 permits were approved for the attachment of wires, etc., to various poles for the purpose of establishing telephone service.

One hundred and eighteen permits were issued for the replacing, locating, and repairing of various poles throughout the city.

On August 1 a set of rules and regulations governing the installation of overhead, underground, and interior wires and apparatus, based, so far as practicable, on the "National Electrical Code," were issued and put into effect by this department.

During the year a portable search light was purchased, which adds greatly in the finding and repairing of broken wires.

Fire Alarm.

One new box was added during the year, box 44, located on Broadway, corner of Wallace street, making a total of 109 boxes.

Two hundred and four alarms of fire were transmitted during the year.

All of the boxes have been newly painted and varnished.

The equipment of the fire alarm consists of the following:—

One hundred and nine signal boxes, one eight-circuit repeater, eight tower strikers, thirty-three gongs, eight indicators, twelve private telephones, sixty tappers, one automatic steam whistle, 412 cells storage batteries, and about 130 miles of wire and 9,686 feet of underground cable.

Police Signal.

The usual attention has been given to the police signal system. Two new boxes have been added, located as follows:—

Corner of Curtis street and Professors row; corner of Broadway and Rogers avenue; making a total of fifty boxes.

Underground Wires.

To conform with an act passed by the legislature and approved April 10, 1905, the city has expended \$2,760.20 for underground cables and labor on Broadway, from the Charlestown line to the junction of Broadway and Main street, Broadway being the first street designated in the act. The fire and police signal boxes have been placed on iron posts and connected with the cables.

The Edison Electric Illuminating Company has installed underground cables to supply service for the city street lights and for private consumers of light and power.

The New England Telephone and Telegraph Company has put in underground cables to furnish its subscribers with service.

Street Lights.

During the year many new street lights were located in different parts of the city. There are now 484 arc lights and 566 incandescent lights in service.

The hours of lighting and service will compare very favorably with those of surrounding municipalities.

Recommendations.

FIRE ALARM.

That an operator be always on duty at the fire alarm headquarters.

That all the fire department houses be connected with the public telephone exchange.

That most of the signal boxes be provided with keyless doors.

That additional boxes be installed to protect the new territory in the western part of the city.

That the three blows for curfew be reduced to one blow.

POLICE SIGNAL.

That the signal system be changed to a modern system, as it has been in service eighteen years. The increased number of electric light wires and additional boxes being installed makes it impossible at times, on account of induction, to use the telephone satisfactorily. The cost of such a new system would be saved in a few years' time, as the present system, if retained, will require the installation of new wire and instruments.

ELECTRICAL INSTALLATIONS.

That the rules and requirements issued by the department be adopted by ordinance, and that a penalty be provided for all violations.

That electrical contractors and employers doing business in the city be required to be registered, and a certificate of same issued by the department.

In concluding this report, permit me to return my thanks to your honorable board for the kindly help given me in the performance of my duties. My thanks are also due to my assistants for the able manner in which they have performed their duties, and to the chief engineer of the fire department and the chief of police and the members of their departments for the many courtesies shown.

Financial Statement.

ELECTRICAL DEPARTMENT.

CREDIT.

Appropriation	\$8,500 00	
Edison Electric Illuminating Co., grounding wires	250 00	
Lewis Sborosky, replacing wires	7 50	
J. A. Kiley, old buggy	30 00	
Old junk	61 82	
North Packing & Provision Co., re-wiring fire alarm	47 18	
Labor and materials, underground construction	689 79	
Total credit		\$9,586 29

DEBIT.

Expenditures:—		
Salaries	\$5,271 85	
Wires, insulators, etc.	1,081 22	
Wagon repairs	60 08	
Harnesses and repairing same	70 25	
Fire alarm and police signal boxes	781 71	
Board of horses	343 52	
Incidentals	736 03	
Total debit		\$8,344 66
Balance unexpended		\$1,241 63

ELECTRICAL DEPARTMENT, UNDERGROUND CONSTRUCTION.

CREDIT.

Transferred from Sewers Construction account . . .	\$3,000 00
--	------------

DEBIT.

Expenditures:—

Labor	\$401 75
Materials	2,356 75
Incidentals	1 70

Total debit	\$2,760 20
-----------------------	------------

Balance unexpended	\$239 80
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STREET LIGHTS.

CREDIT.

Appropriation	\$67,000 00
-------------------------	-------------

Received for lighting Westwood road in 1904	3 60
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Total credit	\$67,003 60
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DEBIT.

Expenditures:—

Electric lighting	\$64,511 81
Changing location of lights	33 00
Incidentals	14 00

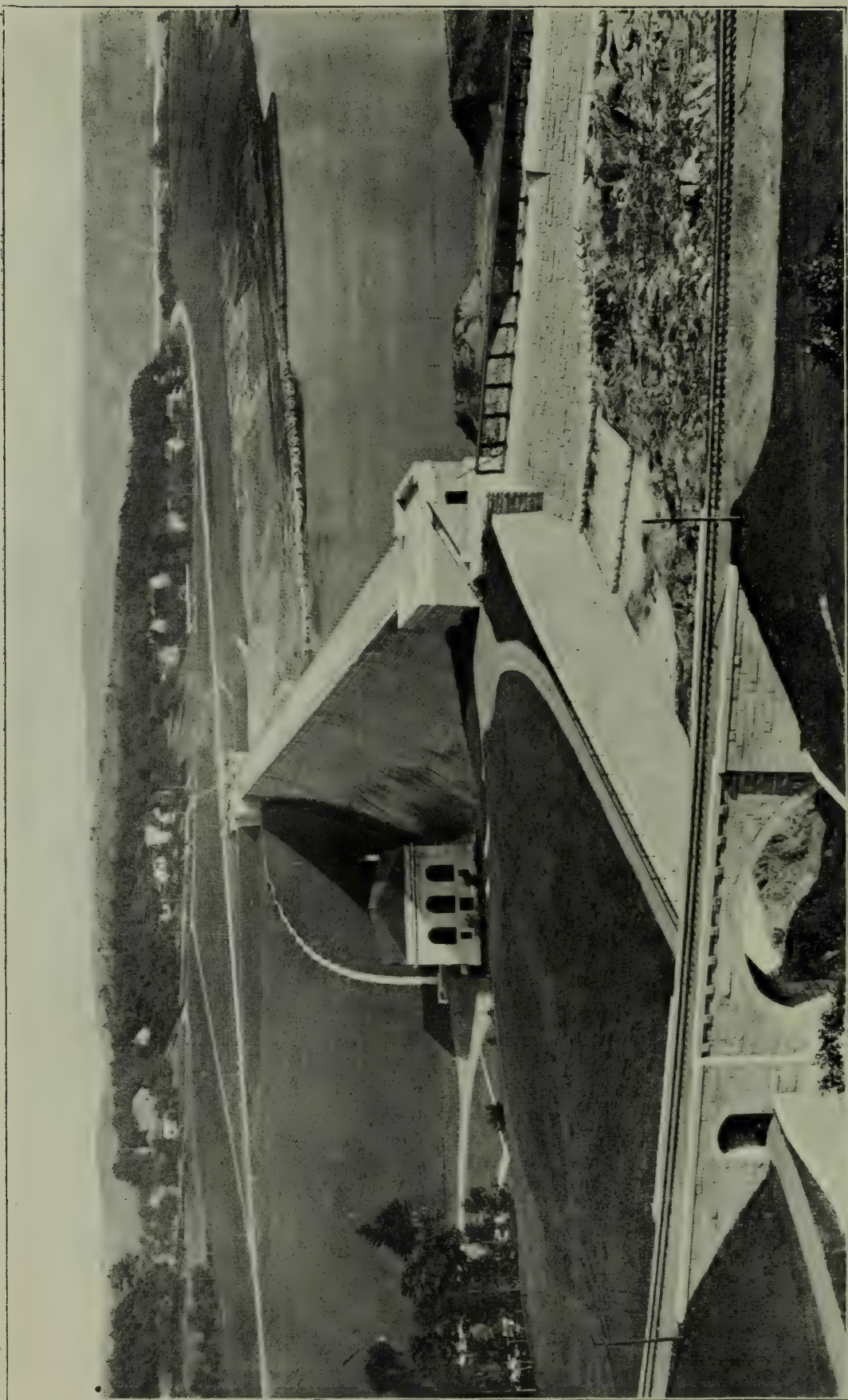
Total debit	\$64,558 81
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Balance unexpended	\$2,444 79
------------------------------	------------

Respectfully submitted,

CHARLES A. GRIMMONS,

Acting Commissioner of Electric Lines and Lights.



METROPOLITAN WATER WORKS.

Wachusett Dam, Showing Gate House and Railroad Bridge over Waste Channel.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Area of city, including land and water, about 4.22 square miles.

Population, estimated, 71,000.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

**Source of supply : Metropolitan system, taking water of the
Nashua river at Clinton, Mass.**

Mayor

HON. CHARLES A. GRIMMONS.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Cedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
January, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1906, this being the thirty-third annual report made by the water department:—

Receipts and Expenditures.

Water bills have been issued as follows:—

"Annual" water charges, amounting to	\$136,438 50
"Additional" water charges, amounting to	4,178 08
"Metered" water charges, amounting to	92,570 79
	<hr/>
	\$233,187 37

The account has credit for the amount received from the commonwealth of Massachusetts, distribution of entrance fees, water supplied outside of district, and water furnished water companies, 1906, under section 3, chapter 488, Acts 1895

800 30

\$233,987 67

Abatements made on the above charges	\$6,324 03
Refunds made on the above charges	443 00

6,767 03

Income from sale of water	\$227,220 64
Amount received from water service assessments	3,929 80
Amount received from costs	45 00
Amount received from labor and materials sold	3,105 01

Total income from water works \$234,300 45

This amount was used as follows:—

For water works purposes:—

Water works maintenance	\$26,941 29
Water works extension	19,195 86
Abatements on water charges of 1905	5 10
Miscellaneous accounts	4,155 48
Interest on water loan bonds	3,935 00
Maturing water loan bonds	6,000 00
Metropolitan water works assessment	97,160 08
	<hr/>
	\$157,392 81

For other municipal purposes:—

Sewers, maintenance	\$12,000 00
Interest on sewer loan bonds	8,827 50
Maturing sewer loan bonds	18,000 00
Fire department	24,500 00

Amount carried forward \$63,327 50.

Amount brought forward	\$63,327 50	
Suppression of gypsy and brown-tail moths,	1,000 00	
Reduction of funded debt	10,792 96	
Unexpended balance of water works appropriations carried to credit of Excess and Deficiency account	1,787 18	
	<hr/>	76,907 64
		<hr/>
		\$234,300 45

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have required its use. The value of this water is estimated at \$12,000.

Department Receipts and Disbursements.

WATER MAINTENANCE ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income		\$25,000 00
Sundry receipts for labor and materials sold,		3,105 01
Receipts from other sources		45 00
Balance of Water Works Extension account transferred		4,733 94
Materials used in extension of the water works		14,104 84
Amount expended for labor and materials for operation and maintenance of the water works	\$26,941 29	
Amount expended for materials used in extension of the water works	14,104 84	
Amount paid Highway Department towards road construction	1,005 47	
Miscellaneous accounts	3,150 01	
Unexpended balance, transferred to Excess and Deficiency account	1,787 18	
	<hr/>	<hr/>
	\$46,988 79	\$46,988 79

WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from water income		\$20,000 00
Receipts from 210 water service assessments		3,929 80
Labor and materials used in extension of the water works	\$19,195 86	
Unexpended balance, transferred to Water Maintenance account	4,733 94	
	<hr/>	<hr/>
	\$23,929 80	\$23,929 80

Cost of Water Works.

The total cost of the water works on December 31, 1905, as represented by the expenditures from appropriations for water works extension was	\$855,503 13
Expended during the year 1906, on extension account	19,195 86
	<hr/>
Total expenditures, December 31, 1906.	\$874,698 99

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$931,000, leaving the water debt on December 31, 1906, \$86,000.

The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1907	\$17,000	1914	\$6,000
1908	7,000	1915	5,000
1909	6,000	1916	5,000
1910	6,000	1917	5,000
1911	6,000	1918	5,000
1912	6,000	1919	4,000
1913	6,000	1920	2,000

On January 1, 1898, the city of Somerville first took over the collection of its own water rates, which had always previously been made by the city of Charlestown or the city of Boston. The water income and its disposition from 1898 to 1906, inclusive, is shown in the following table:—

Total water income, years 1898 to 1906, inclusive . . . \$1,945,341 95
Payments:—

Water Works Account.

Water Works Construction, Renewal, Maintenance and Operation	\$495,320 86	
Water Bonds	198,000 00	
Interest	66,215 00	
Metropolitan Water Assessments	534,875 83	
		\$1,294,411 69

Other Municipal Accounts.

Sewers Construction	\$117,035 65	
Sewers Maintenance	86,450 00	
Sewer Bonds	72,000 00	
Interest	49,654 50	
Assessments	31,000 00	
		\$356,140 15
Fire Department, Maintenance		173,026 33
Health Department, Maintenance		7,500 00
Suppression of Moths		1,000 00
Reduction of Funded Debt		111,476 60
Credit of Excess and Deficiency account, 1906		1,787 18
		\$1,945,341 95

Extension of Water Distribution System.

Reference may be had to the accompanying table for the location and size of new water mains laid during the year, number and size of gates set, and number and kind of fire hydrants installed.

Six hundred and sixteen feet of eight-inch pipe were laid in Medford street, from Adams street to Bartlett street, and from

Partridge avenue to Glenwood road, to connect dead ends of the high-service system for the purpose of better circulation, in anticipation of the permanent paving in that street; all other street-main construction, amounting to 4,763 feet, was for new residential and commercial purposes.

Trench work, excavating, and re-filling for water pipes was done by contract labor in the following streets and at prices named:—

Street.	Feet of Trench.	Contractor.	Price per foot of Trench Work.	Total Cost of Trench Work.	Average Cost per foot of Trench Work.
Bay State ave.	656½	H. G. Lamburn . .	.22	*\$366.43	\$.558
Lowden ave. .	494	Bartholomew Burke	.20	* 273.40	.553
Medford st. .	642½	Richard Falvey . .	.39	** 275.58	.429
Sydney st. }	300	H. G. Lamburn . .	.21½	64.50	.215
Grant st. }					

* \$3.00 per cubic yard allowed for rock excavation.

** \$25.00 allowed for extra excavation required.

The pipes and all materials required were furnished, and the pipe-laying done in each street by the water department. I am of the opinion that in work of considerable magnitude the city might profit somewhat financially by having the trenches dug by contract labor, but on small jobs, where the maintenance force of the department can be advantageously employed, I believe it is economy for the city to do both the trench excavating and the pipe-laying with its own men.

The total number of feet of new mains laid, including hydrant branches, was 5,369, making the water pipe mileage of the city approximately ninety-one miles, 1,663 feet. Seventeen fire hydrants and eighteen water gates have been set during the year.

Two hundred and ten new service connections have been made, requiring the laying of 8,520 feet of pipe. A four-inch fire pipe has been laid to the building of the International Harvester Company on Somerville avenue, and one of the same size to the new library building at Tufts college; a six-inch fire pipe has been installed for the Floyd-Horsman Company's factory in Newberne street, and one for the Hinckley Rendering Company on Melrose street, in place of the four-inch supply previously in use; and a twelve-inch connection has been made for the Boston & Maine Railroad Company, on Somerville avenue, near the Fitchburg division crossing, for the purpose of assuring an abundant supply of water to their freight yards for fire uses. These connections have been made at the expense of the property owners.

Seven hundred and sixty-eight meters were set during the year, including 114 to commence operation January 1, 1907; of this number, the use of thirty has been discontinued for non-

occupancy of premises and other causes, making a net increase of 738. The total number now in the system is 2,820, as shown in the following table:—

METERS DECEMBER 31, 1906.

KIND	SIZE								Total.
	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	
Nash . . .	174								174
Empire . . .	1								1
Crown . . .	5	5	3	2	1	1	1	1	19
Gem . . .							1		1
Hersey . . .			4	1	2	3			10
Hersey Disc	225	16	4	1	4				250
Torrent . . .								1	1
Trident . . .	215	44	21	5	4		1		290
Crest . . .					1	1			2
Union . . .	18	13	7	1	5		1		45
Union Special		15	4	1					20
Columbia . .	153								153
King . . .	200								200
Lambert . . .	1,223	112	15	1					1,351
Worthington Disc . . .	303								303
Totals . .	2,517	205	58	12	17	5	4	2	2,820
Motor and ele- vator registers									9
									2,829

Most of the meters installed were on new services, and on applications of property owners on old buildings. Meters are furnished by the city without charge, and are installed without cost to the owner, except where it becomes necessary to furnish materials or labor outside of the actual setting of the meter. In such cases a charge is now made sufficient to cover the additional cost of such installation, reducing somewhat the total meter construction account.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1906:—

Summary of Pipes and Fixtures.

Feet of main pipe (approximately) . . .	482,143
Feet of service pipe (approximately) . . .	390,980
Service connections (approximately) . . .	11,489
Public fire hydrants	1,018
Private fire hydrants	49
Gates	1,376
Check valves	7
Meters	2,820
Motor registers	9
Waterposts	73
Blow-offs	136
Drinking fountains and troughs	10

Inventory.

The annual inventory of stock on hand, tools and machinery, teams and stable equipment, pumping apparatus, and furniture shows a valuation of \$23,852.34; the land and buildings of the department are valued at \$32,100, and the distribution system of the water works has an estimated valuation of \$875,000.

Maintenance.

The physical condition of our ninety-one miles of street mains is believed to be very satisfactory; but eight leaks have been found during the year, and these were repaired at a cost averaging but eighty-six cents per mile for the entire system.

One hundred and twenty-six leaks on service pipes have been repaired, and 130 services have been renewed.

A large outlay was incurred for renewal of service pipes in those portions of Medford street, Broadway, and Union square where the Hassam street paving was to be laid.

Instead of laying numerous small pipes across the street, one for each house, as heretofore, the method was adopted of laying one pipe, one and one-half inches in diameter, from the main to the sidewalk, and then extending smaller branches from this service main up and down the sidewalk to the respective houses. Where the conditions favored, a brick chamber was constructed in the sidewalk so that the main service gate and all the branch gates and connections can be easily reached.

Much attention has been given to the fire hydrants, and so far as known, they are all in good condition. Seven hydrants, defective or in other ways unsatisfactory, have been taken out and replaced with new ones, and the location of one near the corner of Medford and Walnut streets has been changed about fifteen feet.

Fire Underwriters' Inspection.

In August the National Board of Fire Underwriters made an inspection of the fire-fighting facilities of this city, and in an exhaustive report issued later have taken occasion to commend the water department in the following conclusions:—

Records.—Generally satisfactory.

Supply.—Ample and reliable.

Consumption.—Not excessive for a city of this character.

Pressure.—Satisfactory and well maintained.

Main Arteries.—Have frequent connections to a generally well-connected and adequate system of secondary feeders.

Minor Distributers.—The small mains will not furnish satisfactory engine supply unless well gridironed and reinforced at frequent intervals by larger ones. In general, these conditions are fairly well fulfilled, but there are some well-built-up sections in need of improvement.

Condition of Mains.—Available evidence indicates generally good interior conditions of mains.

Gate Valves.—The system is generally well equipped with gate valves.

Hydrants.—Hydrants are well spaced, except in rapidly-growing sections; usually of fairly satisfactory type. Those inspected found in good condition.

The recommendations following the Underwriters' report are for the most part in line with the policy long since adopted by the water commissioner, and which is being made effective as fast as conditions will permit.

Water Assessments and Consumption.

The annual assessments paid by this city as its proportionate part of the cost and operation of the metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Total.
1898	No division made			\$14,250 19
1899	" " "			20,975 53
1900	" " "			28,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24	56,816 76
1902	19,014 85	12,955 64	30,427 40	62,397 89
1903	15,748 56	12,763 10	48,776 77	77,288 43
1904	16,404 42	15,393 87	54,938 64	86,736 93
1905	21,358 11	13,666 71	55,535 91	90,560 73
1906	22,345 50	17,412 51	57,402 07	97,160 08
				<hr/> \$534,875 83

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$9,056.10.

Once again has the legislature changed the basis of apportionment of the annual water tax levied by the state on the cities and towns in the metropolitan water district, so that hereafter the city of Boston will pay for its water on the same terms as the rest of the district, viz., one-third on the city's valuation and two-thirds on its consumption of water, instead of wholly on its valuation, as heretofore; the result of this legislation will be, undoubtedly, to considerably increase the annual water assessment of this city from what it would be under the former basis. The ultimate result may, however, be beneficial to the district if it should lead our sister city to curtail her present extravagant use and waste of water, assisting thereby in the postponement of the large expenditures which may be required in the future for the acquisition and construction of additional water supply.

The daily consumption of water in Somerville, as recorded

HIGH SERVICE



LOW SERVICE



WATER CONSUMPTION IN SOMERVILLE DURING YEARS 1905 AND 1906
 Full line shows Average Rate, Dotted line shows Minimum Rate.

by the Venturi meters, operated by the metropolitan water works, is shown below by months for the year 1906:—

Month.	Gallons.	Month.	Gallons.
January	6,154,700	July	6,523,300
February	6,191,300	August	6,703,700
March	5,825,800	September	6,529,100
April	5,707,000	October	6,342,700
May	6,363,900	November	6,037,300
June	6,620,900	December	6,591,800

The total consumption for the year is 2,299,865,000 gallons, making an average daily consumption of 6,301,000 gallons.

The chart shown herewith indicates graphically the consumption of water in this city during the years 1905 and 1906 on both the high-service and low-service systems. The full line represents the average daily consumption of water, and the dotted line the average daily rate of consumption during the period of minimum use or between the hours of one and five in the morning. The difference of the quantities indicated as average daily consumption and minimum consumption shows approximately the legitimate use of water in gallons, while the line representing the minimum flow shows clearly that a large quantity of water is lost through defective pipes and fixtures, and, especially in the cold months, through allowing water to run to waste to prevent freezing. In the high-service system the line commences the year at an average daily consumption of 1,340,000 gallons, and closes at 1,420,000, with a minimum of 1,260,000 gallons in the week ending March 10, and a maximum of 1,810,000 on June 30. The night flow of water is more regular, starting the year at an average of 840,000 gallons per day, and closing at the same figure, with a minimum of 640,000 on November 17, and a maximum of 940,000 February 10. The large increase in consumption commencing May 10 is undoubtedly due to the commercial use of water by a railway company for the time being, and is not expected to continue. In the low-service system the 1906 consumption starts at an average of 4,700,000 gallons per day, and closes the year at 4,900,000, with a minimum of 4,200,000 March 17, and a maximum of 5,700,000 during the cold period of December 15, while the minimum line reaches its lowest point November 3 at 2,200,000, and its highest during the cold season of January and February at 4,000,000.

The average daily quantity of water used in Somerville during 1906 remains the same as in the previous year, viz., eighty-nine gallons per inhabitant, while the average for the entire water district has fallen one gallon, or to 128 gallons per day for each inhabitant.

The following table shows the daily per capita consumption of water in the cities and towns in the metropolitan water district for the year 1906, as registered by the metropolitan meters:—

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	For the Year.
Boston	158	162	154	146	149	151	143	149	149	143	141	165	151
Somerville	88	88	83	81	90	93	92	94	92	89	84	92	89
Malden	51	50	49	50	52	54	55	53	54	48	48	49	51
Chelsea	102	117	106	92	89	92	93	97	97	87	83	113	97
Everett	83	91	84	78	80	83	80	82	80	74	69	87	81
Quincy	105	107	108	103	112	117	109	113	115	99	95	97	107
Medford	91	94	90	90	104	105	103	108	117	104	96	101	100
Melrose	112	111	109	111	113	106	108	110	113	107	101	106	109
Revere	67	74	73	66	80	97	99	104	93	73	68	85	82
Watertown	60	59	60	64	73	74	70	69	71	71	69	61	67
Arlington	70	75	72	72	88	90	83	87	94	82	76	76	81
Milton	36	35	39	42	62	64	56	61	61	47	43	44	49
Winthrop	98	104	98	96	106	127	135	145	131	107	98	110	113
Stoneham	62	63	59	62	67	69	69	76	84	78	72	71	69
Belmont	38	38	45	54	76	77	71	76	92	65	52	56	62
Lexington	57	60	62	74	97	101	96	98	92	79	68	66	79
Nahant	62	68	62	68	69	74	68	80	82	48	74	85	71
Swampscott	87	75	68	71	74	78	87	96	88	68	76	66	79
Total	132	136	129	123	128	130	127	129	129	122	119	138	128

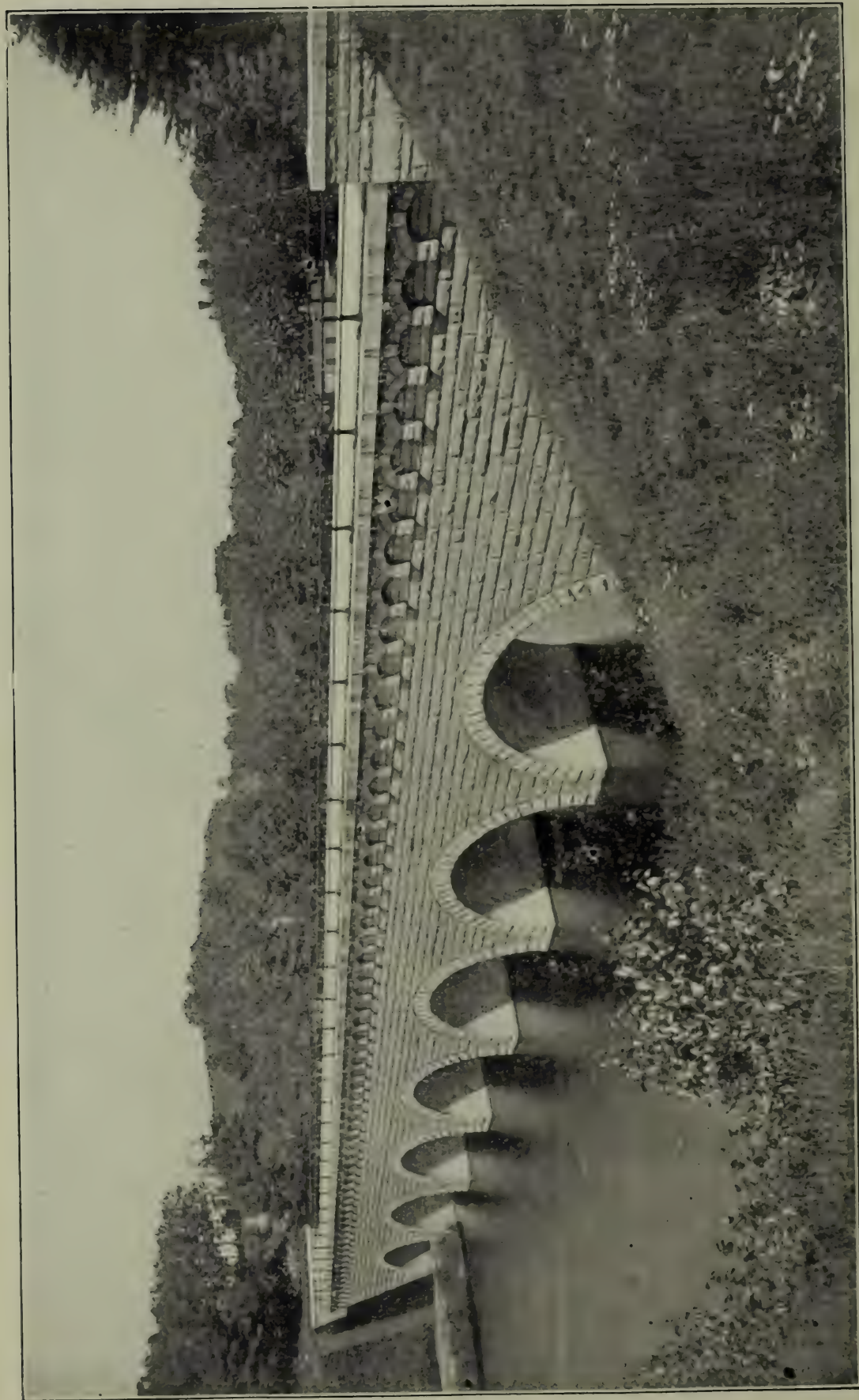
The district, in order of per capita consumption, beginning with the lowest, stands as follows:—

1—Milton	49	8—Everett	81
2—Malden	51	9—Revere	82
3—Belmont	62	10—Somerville	89
4—Watertown	67	11—Chelsea	97
5—Stoneham	69	12—Medford	100
6—Nahant	71	13—Quincy	107
7—Lexington	79	14—Melrose	109
7—Swampscott	79	15—Winthrop	113
8—Arlington	81	16—Boston	151

It is noticeable that the municipalities which are largely metered have the smallest per capita consumption of water; it is not to be supposed that the residents of these towns stint themselves in the legitimate use of water for domestic, sanitary, or other purposes; the only inference that can be drawn, after making proper allowance for the varying commercial and public use of water in the several localities, is that the difference in per capita consumption of water in metered and unmetered cities represents approximately the per capita waste of water. If this enormous waste can be stopped or greatly restricted, it will save unnecessary burdens, not only upon the people of this water district, but upon residents of other portions of the commonwealth, whose properties and business interests will be impaired by the taking of lands for further extension of the metropolitan water system.

Electrolysis.

Several service pipes have been injured by electrolytic action during the year, and while the number is not large, it is sufficient to give warning of what is going on through this agency, and to



METROPOLITAN WATER WORKS.
Wachusett Aqueduct — Crossing Assabet River.

prepare us for a probable large expenditure of money for renewals of pipes as the process of disintegration continues. The trouble is caused primarily by the escape of electric currents from the street railway tracks, and it is found to exist not only in close proximity to the tracks, but to some extent along the line of the mains of the New England Gas and Coke Company, which appear to gather up and convey considerable quantities of these stray currents from one section to another, and, on their way, to work injury to the pipes of our water system. Other than through proper action on the part of the electric railway companies in returning the currents by insulated wires, instead of through the rails and earth, no satisfactory means has yet been discovered for the protection of water pipes from the serious injury impending from electrolytic decomposition.

Grounding of Wires.

Arrangements have been made whereby the Edison Electric Illuminating Company is permitted to ground the secondary wires of its electric lighting service to the water pipes in buildings supplied with its current. Satisfactory evidence was obtained from experts that no probable injury would be caused to the water pipes from this source, but an indemnity bond was required from the company to cover any damage that might possibly result to property or person on account of such connections, and an annual payment to the city of \$500 was agreed upon to cover the cost of inspection and incidental expenses.

Metropolitan Water Works.

As the construction of these works is, for the present, practically completed, it may be interesting to our people to have a brief description of the main features of this great undertaking, that they may know where the water supply comes from and for what purpose the vast expenditure of money has been made for which they are contributing annually their proper share. Some ask even yet if our water is drawn as formerly from the Mystic lakes; that supply, however, was abandoned on January 1, 1898, and no water has since been used from that source.

The metropolitan water works were constructed for the purpose of furnishing water to Boston and neighboring municipalities whose local supplies had become inadequate or of inferior quality. The need of such action had become apparent in the year 1892, and in 1893 a bill was passed by the legislature directing the state board of health to investigate the subject. In February, 1895, the board presented its report to the legislature recommending the taking of the water of the south branch of the Nashua river, at a point above the Lancaster mills in the town of Clinton, and the construction of the necessary works for utilizing this supply in conjunction with other sources of supply then in use by the city of Boston. The Metropolitan Water Act, Chapter

488, of the Acts of 1895, provided that the governor should appoint three water commissioners, who should constitute the metropolitan water board, and that this board should construct, maintain, and operate a system of water works substantially as recommended by the state board of health.

By the act this board was directed to take the waters of the Nashua river at a suitable point in the town of Clinton, about thirty-five miles westward from Boston; to construct a dam and reservoir for the storage of the waters; to build an aqueduct from the dam at Clinton, about twelve miles long, to the partially completed Sudbury reservoir in the town of Southborough; to complete this reservoir and connect it with the Sudbury aqueduct of the city of Boston; to take from the city of Boston the Cochituate, Sudbury, and Mystic systems, which were the sources of its water supply, and the Chestnut-hill reservoir and pumping station; also to take Spot pond, in the town of Stoneham, which was then used as a water supply by Malden, Medford, and Melrose; and to lay the main pipes required to supply each of the municipalities embraced within the water district.

It was provided that the commonwealth should issue bonds to an amount not exceeding \$27,000,000 (afterwards increased to \$40,000,000), the proceeds of which should be applied to meet the expenditures occasioned by the various operations of the board. A sinking fund was established for the payment of the loan at its maturity, and assessments were required to be made upon the several municipalities included within the district sufficient to meet the cost of maintenance and interest on the indebtedness, and for contributions to a sinking fund sufficient to secure the payment of the indebtedness at maturity.

The metropolitan water district now consists of the cities of Boston, Chelsea, Everett, Malden, Medford, Newton, Quincy, Somerville, and the towns of Arlington, Belmont, Hyde Park, Lexington, Melrose, Milton, Nahant, Revere, Stoneham, Watertown, and Winthrop. Under provisions of the act, any one of the other cities and towns, any part of which is within a radius of ten miles of the state house, may, on application, be admitted into the district upon payment of such sum of money as may be determined by the board. Under authority of the original and subsequent acts, water is also supplied to the town of Swampscott and to a portion of the town of Saugus, both of which are without the limits of the district.

The nineteen municipalities within the district as now established had, according to the census of 1905, a population of 946,300, and the population supplied from the metropolitan works in the same year was 902,000.

Water supplied by the metropolitan water works is obtained from three sources, the Nashua river; the Sudbury river, and Lake Cochituate. The two latter sources had been previously acquired by the city of Boston, and works for storing and con-

veying the water therefrom had been constructed by that city. The construction of works on the Nashua river was begun by the metropolitan water board in 1895, and was practically completed last year. The works at present comprise the

Wachusett reservoir on the Nashua river, capacity, 63,000,000 gallons;

Eight storage reservoirs on the Sudbury river watershed, with a combined capacity of 13,616,100,000 gallons;

Lake Cochituate, capacity, 2,242,400,000 gallons;

Wachusett aqueduct for conveying water from the Wachusett reservoir to the Sudbury reservoir, capacity, 300,000,000 gallons per day;

Weston aqueduct and reservoir for conveying water from the Sudbury reservoir to the metropolitan district, capacity of aqueduct, 300,000,000 gallons per day;

Sudbury aqueduct for conveying water from the reservoirs on the Sudbury river to Chestnut-hill reservoir, capacity, 103,000,000 gallons per day;

Cochituate aqueduct for conveying water from Lake Cochituate to Chestnut-hill reservoir, capacity, 18,000,000 gallons per day;

Chestnut-hill reservoir, which receives and stores water supplied through the Sudbury and Cochituate aqueducts, and from which water is pumped for supplying the metropolitan district;

Five pumping stations located at Chestnut-hill reservoir, Spot pond, West Roxbury, and Arlington, containing thirteen pumping engines, having an aggregate capacity of 204,500,000 gallons in twenty-four hours;

Six distributing reservoirs, of which Spot pond is the largest, and two standpipes, located in the metropolitan district, having a combined capacity of 1,881,230,000 gallons;

Eighty-four and two-tenths miles of pipes, ranging in size from sixty inches to twelve inches in diameter, through which water is delivered to the nineteen municipalities in the district.

The greatest undertaking in connection with the metropolitan water works was the construction of the Wachusett reservoir and dam. The reservoir is located in the towns of Clinton, Boylston, and West Boylston, and is formed by a dam across the south branch of the Nashua river, located about half a mile above the settled portion of the town of Clinton, and by two earth dikes, one on either side of the valley, a short distance above the main dam.

The river above the dam has a drainage area of 118.32 square miles. The reservoir is 8.41 miles long, with a maximum width of two miles, an area of 4,195 acres, or 6.56 square miles, and a capacity of 63,068,000,000 gallons. The maximum depth of water will be 129 feet; the average depth, forty-six feet.

In constructing the reservoir the soil was stripped from 3,943 acres of the submerged area to an average depth of one

foot, the quantity removed being 6,900,000 cubic yards, and over about 150 acres where there were deep deposits of muck, gravel was spread to a depth of one foot. The land required for the reservoir contained six large mills, eight schoolhouses, four churches, and about 360 dwelling houses occupied by 1,700 people.

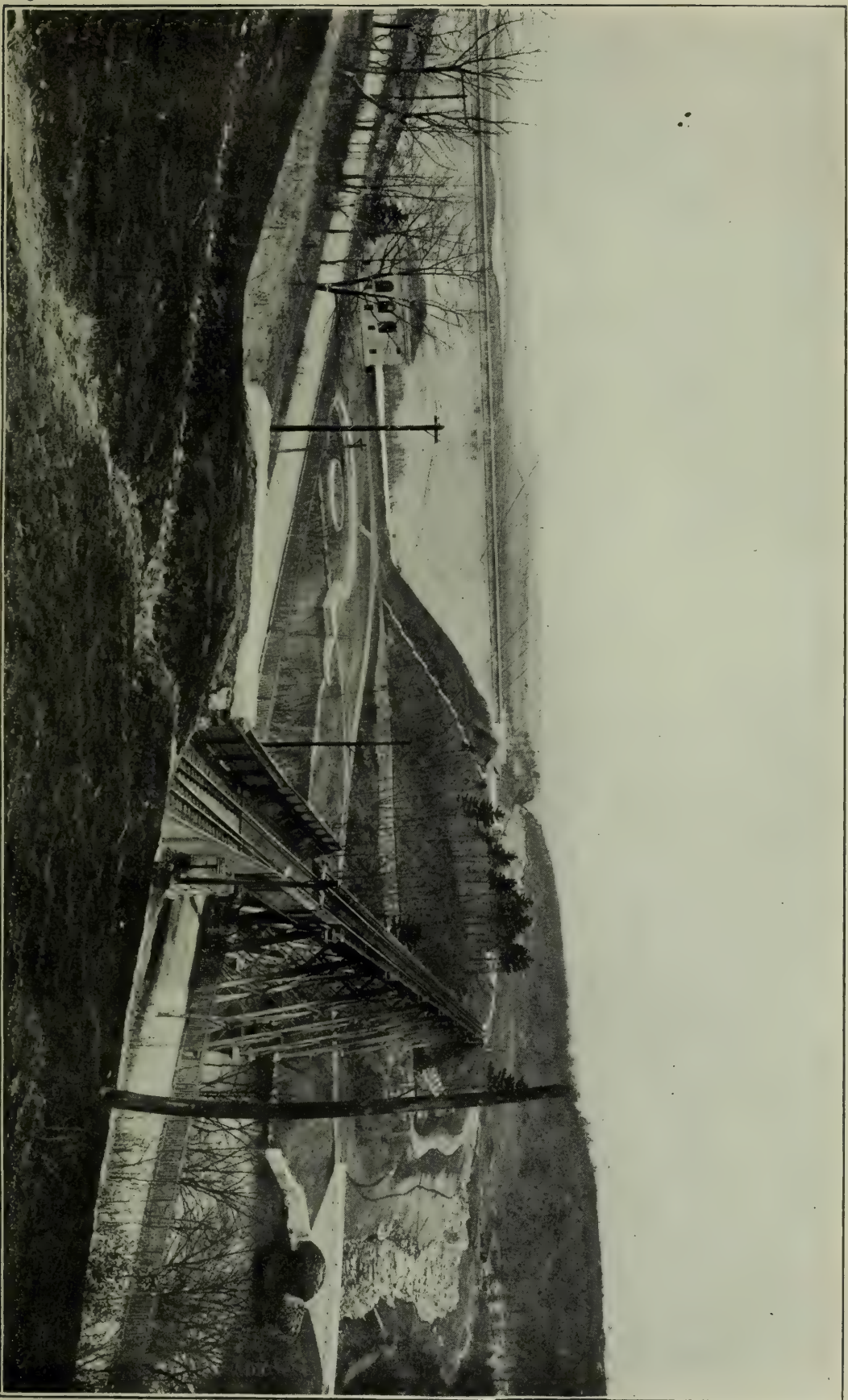
In order to provide a new location for the Central Massachusetts railroad, which ran for six and one-half miles through the reservoir site, about four and one-half miles of new railroad was built, the construction including a rock tunnel 1,110 feet long, a steel viaduct 917 feet long crossing the valley of the Nashua river, with a maximum height of 133 feet, and 1,500 linear feet of rock cut having a maximum depth of fifty-six feet.

The construction of the reservoir necessitated the discontinuance of nineteen and one-fourth miles of roads and the construction of 11.8 miles of new roads, one of which crosses the reservoir on an embankment 700 feet long and from fifty to seventy feet in height.

The Wachusett dam is a granite masonry structure, comprising the main dam with abutments at each end, 971 feet in length crossing the valley of the river, a waste weir 452 feet long, over which the flood waters can be discharged into a channel 1,150 feet long excavated in rock along the hillside to the river channel below the dam, and a corewall fifty-three feet long extending easterly beyond the terminal structures. The total length of the masonry of the dam, including the corewall, is 1,476 feet; the length of the main dam between terminal structures is 838 feet.

The top of the dam is twenty feet above high-water level in the reservoir, and 415 feet above Boston City base; the height of the top of the dam from the point of lowest foundation is 208.3 feet, and the maximum thickness is about 185 feet. The stone masonry has amounted to 263,412 cubic yards, the brick and concrete masonry to 10,761 cubic yards, and there have been used in the work 81,103 barrels of Portland cement and 182,480 barrels of natural cement.

Passing through the dam there are four forty-eight-inch cast-iron pipes, with their bottoms at elevation 284 above Boston city base, or 111 feet below high water in the reservoir. These pipes connect with circular vertical wells which extend to above high-water mark. Two wells are provided for each pipe, the up-stream one containing two $2\frac{1}{2} \times 6$ feet sluice gates at levels 33.5 and 65.5 below high water, through which water can be admitted from the reservoir to the down-stream well, and thence into the pipe. Water is admitted to each of the up-stream wells through six ports in the masonry, each eight feet high and 2.5 feet wide. On the down-stream side of the ports there are three pairs of composition grooves, in which can be placed screens and stop planks so arranged as to draw the water from the reser-



METROPOLITAN WATER WORKS.

Wachusett Dam, Showing Railroad Viaduct and Highway Bridge over Waste Channel.

voir at any desired depth. The chamber containing the apparatus for operating the gates and screens is built in the dam above high-water level and entirely below the top of the dam. The four lines of forty-eight-inch pipes, after passing through the dam, enter the lower gate chamber, which is designed to receive machinery for utilizing the power of the water as it falls from the reservoir to the Wachusett aqueduct, and also serves as a head-house for the aqueduct. This building contains valves for controlling the flow of water into the aqueduct or into pipes which discharge into a masonry pool 150 feet in diameter, from which it flows into the river channel. The cost of construction of the dam has been about \$2,200,000.

On the north side of the valley, extending about two miles, and on the south side of the valley, extending about one-half mile, earth dikes have been constructed to prevent the overflow of water at points lower than the elevation of full reservoir. The north dike is 11,000 feet long; its maximum height above the original surface is sixty-five feet to full reservoir level, and eighty feet to the top of the embankment. The greatest width of the dike is 1,930 feet, and it contains 5,861,814 cubic yards of earth, of which 4,955,936 cubic yards is soil removed from the reservoir. Where the dike is exposed to the waves it is faced with riprap of heavy stones about twelve feet in thickness.

The south dike is about 2,800 feet long, with a maximum height of thirty feet below the full reservoir level; the construction is mainly the same as that of the north dike.

The Wachusett aqueduct conveys water from the Wachusett reservoir to the Sudbury reservoir, a distance of twelve miles. The first two miles is a rock tunnel, followed by seven miles of masonry aqueduct, including a bridge over the Assabet river, and three miles of open channel. The tunnel section has a fall of one foot in 5,000, and is twelve feet, two inches wide, and ten feet, ten inches high. The masonry aqueduct has a fall of one foot in 2,500, and is eleven feet, six inches wide, and ten feet, six inches high. The open channel is twenty feet wide on the bottom, and has side slopes of three horizontal to one vertical. All sections have a capacity of 300,000,000 gallons per day. The aqueduct crosses the Assabet river on a granite masonry bridge 359 feet long, consisting of seven arches each of twenty-nine-and-one-half-foot span.

From the Sudbury reservoir a portion of the water makes its way through the old Sudbury aqueduct of the Boston water works to Chestnut-hill reservoir. Another portion is conveyed through the new Weston aqueduct, 13.42 miles, to a point in the town of Weston a short distance west of the Charles river, whence it is distributed to the water district without passing through the Chestnut-hill reservoir and pumps, the elevation of the terminal chamber being sufficient to cause the water to flow by gravity to the Spot pond reservoir. The Cochituate aqueduct

is 13.7 miles long, and conveys the water from Lake Cochituate to the Chestnut-hill reservoir.

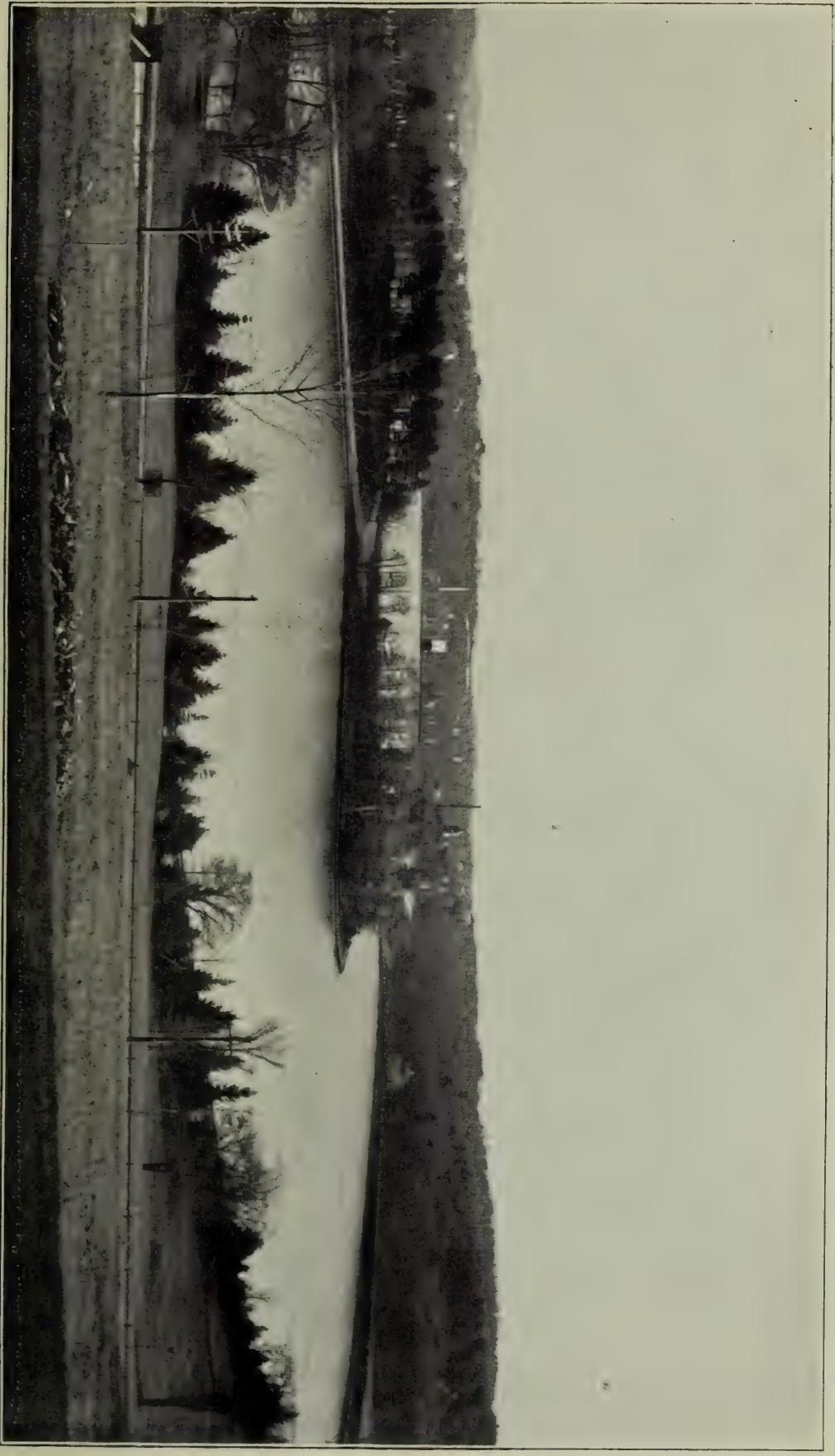
The Chestnut-hill reservoir is a storage basin for the Sudbury and Cochituate supplies, and serves the pumps at the high and low-service stations; it was built by the city of Boston, and its high-water mark is 134 feet above Boston city base. All water delivered into this reservoir is pumped out at two stations located on the southeasterly side of the reservoir. At one station water is pumped to supply the higher land in the southern part of the metropolitan district; at the other it is pumped into mains leading to Spot pond, which is the principal distributing reservoir for the lower portion of the district. The low-service pumping station at Chestnut hill is equipped with three pumps, each having a delivering capacity of 35,000,000 gallons of water every twenty-four hours; the high-service station has one pumping engine of 30,000,000 gallons capacity, one of 20,000,000 gallons, and two of 8,000,000 gallons capacity.

On the shore of Spot pond, in Stoneham, there is a pumping station from which water is pumped to a reservoir supplying the high-service district of this city and the higher levels in the northern part of the district. At two smaller stations, one in West Roxbury and one in Arlington, water is again pumped to higher levels than is reached by the stations at Chestnut hill and Spot pond. At the Spot pond station there are two pumping engines at present, one of 10,000,000 and one of 20,000,000 gallons daily capacity.

Connected with and belonging to the metropolitan water system there are six distributing reservoirs and two standpipes, the location, elevation, and capacity of which are as follows:—

RESERVOIRS. Name.	Location.	Elevation.	Gallons Capacity.	Service.
Spot Pond	Stoneham	163	1,800,000,000	Low
Mystic	Medford	157	26,000,000	Low
Fells	Stoneham	271	41,353,000	No. High
Bear Hill	Stoneham	300	2,452,000	No. High
Waban Hill	Newton	264.5	13,500,000	So. High
Forbes Hill	Quincy	192	5,116,000	So. High
Standpipes				
Forbes Hill	Quincy	252	340,000	So. High
Arlington	Arlington	443.2	564,000	No. Ex. High

The Spot pond reservoir is situated in the Middlesex Fells, in the town of Stoneham, and has an area of 308.7 acres. It is the main distributing reservoir for the low-service district, and is the terminus of the two forty-eight-inch pipes which pass through this city from the Chestnut-hill reservoir, conveying the water from that basin to the northern portions of the water dis-



METROPOLITAN WATER WORKS.

Chestnut Hill Reservoir, Showing High and Low Service Pumping Stations.

strict. Water is pumped into Spot pond through these two mains by the great pumping engines at Chestnut hill; a portion of the water, however, is diverted from its course as it flows through this city by connections made with these mains in several places whereby the water enters the distributing pipes of our local system, the entire quantity thus received being measured by Venturi meters set at the connections; the water is then distributed by our own department through a network of street mains and service pipes to all portions of the city. The water supplied to the high-service section of the city is not, however, taken directly from the metropolitan mains just referred to, but is received through another main by gravity flow from the Fells reservoir; the city has two connections with this main, both equipped with Venturi meters. The Fells reservoir is located about 2,500 feet east of Spot pond, and its high-water level is 271 feet above Boston city base, or 108 feet above the level of Spot pond; it covers eight and one-half acres, and has a capacity of 41,353,000 gallons. Water is supplied to this reservoir from the pumping station at Spot pond through a thirty-six-inch force main. The pressures on the water pipes throughout our city resulting from these reservoirs and pumps range on the low-service from thirty-five to sixty-five pounds, and on the high-service from sixty to 100 pounds per square inch.

The Mystic reservoir, situated near Tufts college, was formerly a part of the Mystic water works, owned by the city of Boston, but became a part of the metropolitan system on January 1, 1898. It is used as a low-service reservoir, being six feet lower than Spot pond; it is about 550 feet long by 350 feet wide, with a water depth of twenty-two feet, and has a capacity of 26,000,000 gallons. Somerville receives no water from this reservoir, as formerly, but it is used in connection with the low-service of the town of Arlington.

In addition to the construction of reservoirs, pumping stations, and pipe lines for the storage and conveyance of water, much study is also given to matters pertaining to the improvement of the quality of the water and the prevention of its pollution, such as:—

First. The construction of ditches for the purpose of draining the swamps in the watersheds;

Second. The construction and maintenance of works for filtering water of objectionable quality before permitting it to enter the reservoirs;

Third. A constant and careful inspection of the watersheds for the purpose of eliminating any possible sources of pollution.

Chemical examinations of the water in the different reservoirs are made monthly by the state board of health, and observations of the color and odor of the water, and of the number and character of the organisms present, are made weekly in the laboratory of the metropolitan water works.

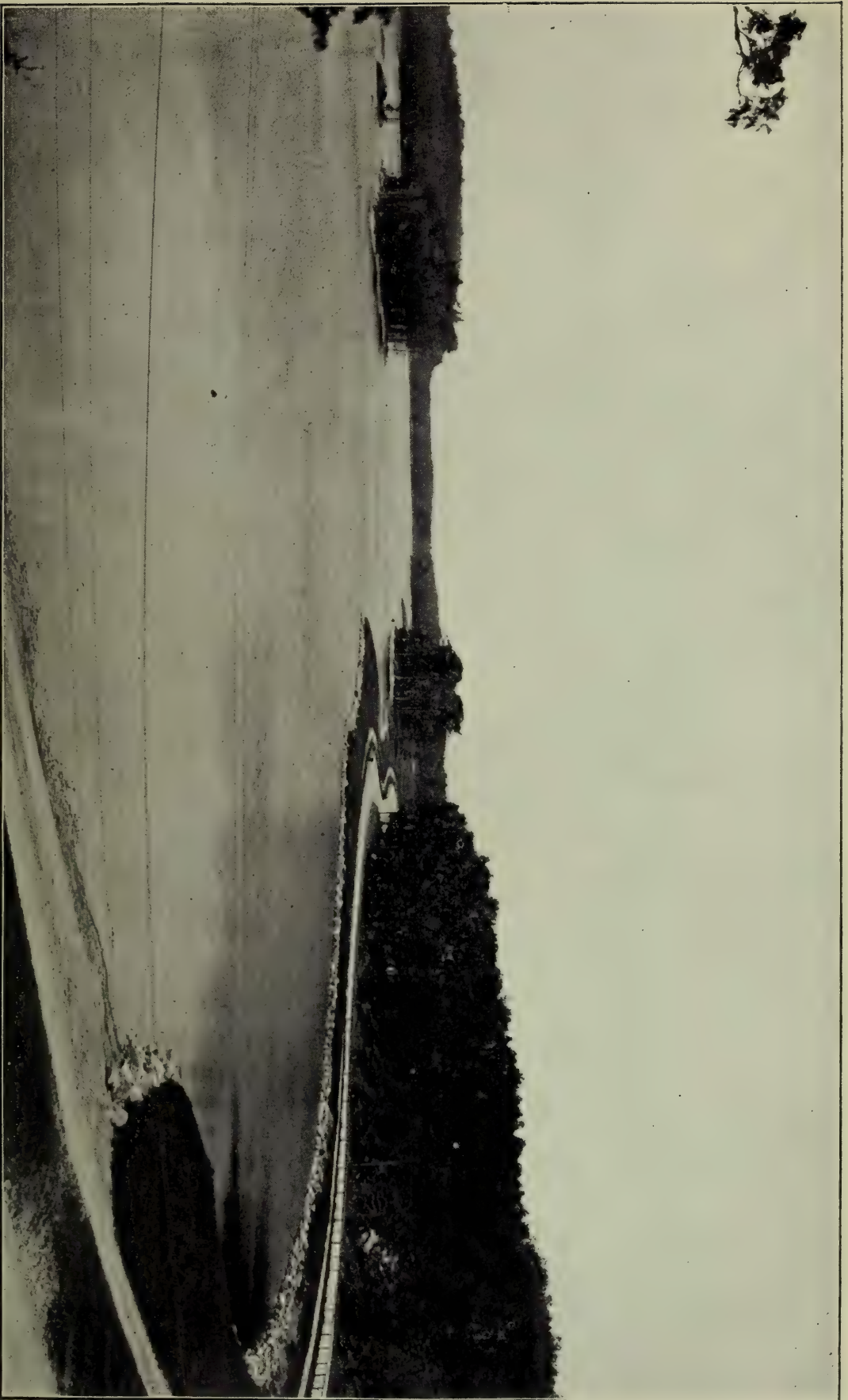
The scheme recommended by the state board of health for supplying the metropolitan district with water provided not only a large immediate addition to the supply, but comprehended, also, the necessities of the future. Lying between the Sudbury and Nashua watersheds is the Assabet watershed, with an estimated daily yield of 28,000,000 gallons. West of the Nashua watershed are the Ware and Swift rivers, with an estimated daily capacity of 271,000,000 gallons, which can be diverted into the Wachusett reservoir by the construction of tunnels aggregating twenty-eight miles in length. Upon the Swift river there is a very favorable location for the construction of a storage reservoir, and a basin covering 36.9 square miles, with a capacity of over 400,000,000,000 gallons, can be made by the construction of two dams.

The Assabet, Ware, and Swift river supplies, with the works already constructed, will provide a safe daily supply of 472,000,000 gallons, while further to the west are the Westfield and Deerfield rivers, capable of furnishing 500,000,000 gallons per day in addition, if required, in the distant future.

As the present works have already cost about \$40,000,000, it is to be hoped that the day is far distant when it will be necessary to seek these further sources of water supply, with the enormous additional financial burdens which such acquisition will bring upon our people. The conservation of our present supplies by a more careful use of the water, cutting off all needless waste, will assist largely in postponing the time when additional sources must be acquired.

In preparing this description, the writer has, by permission, made liberal extracts from a publication of Mr. Dexter Brackett, chief engineer of the metropolitan water works, and wishes hereby to give proper credit.

FRANK E. MERRILL,
Water Commissioner.



METROPOLITAN WATER WORKS.
Spot Pond Reservoir.

COMMONWEALTH OF MASSACHUSETTS
METROPOLITAN WATER AND SEWERAGE BOARD

MAP SHOWING

**METROPOLITAN WATER DISTRICT.
WACHUSETT, SUDBURY AND COCHITUATE
WATERSHEDS,**

AND LOCATIONS OF
RESERVOIRS, AQUEDUCTS AND PIPE LINES.

SCALE
0 1 2 3 4 5 6 7 MILES

JANUARY 1, 1906



Locations of New Mains Laid, Length and Size, Number of Gates, Hydrants, Etc., Set in 1906.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER POSTS.
		Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	
Bay State avenue	Street main; from point 200' south from south line Mallett street to connection with main in Fosket street.	8"	654	8"	3	Holyoke	1			
Broadway	Hydrant.	6"	3							
Bromfield road	Street main; from main in Warner street to point 515' north from north line Warner street.	8"	554	8"	1					
Bromfield road	Street main; from main in Dearborn road to point 170' south from south line Dearborn road.	8"	178	8"	1					
Buckingham street	Street main; from dead end to connection with main in Dimick street.	8"	13	4"	1					
Clifton street	Street main; from connection with main 12' south from Morrison avenue to connection with main at Winslow avenue.	6"	135							
Dimick street	Street main; from connection with main 267' west from Concord avenue to point 108' west from Buckingham street.	6"	335	6'	1					
Dover street	Street main; from main in Orchard street to 81' west from west line Orchard street.	2"	93	2"	1					
Dow street	Street main; from dead end to connection with main in Powder House boulevard.	6"	15							
Edmonds street	Street main; from connection with main 340' south from Broadway to point 360' south from Broadway.	6"	20							
Grant street	Street main; from dead end near Sydney street to connection with main in Sydney street.	6"	18							
Hudson street	Hydrant.	6"	7			Mathews	1			
Jasper street	Street main; from dead end near Virginia street to connection with main in Gilman street.	6"	108	6"	1					
Kidder avenue	Street main; from main in Willow avenue to main in Lowden avenue.	10"	250	10"	1					
Lawrence road	Street main; from connection with Metropolitan Water Works main in their yard to point 7' east from east line of house No. 1 Lawrence road.	1 1/2"	150							
Lesley avenue	Hydrant.	6"	7			Chapman	1			
Lexington avenue	Hydrants.	6"	14			Corey	2			
	Carried forward		2,554		10		5			

LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC., SET IN 1906.—Concluded.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER POSTS.
		Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	
Lowden avenue	Brought forward		2,554		10		5			
Meacham road	Street main; from connection with main 4' north from Mallett street to connection with main at south line Kidder avenue.	{ 8" 6" 6"	593 4	8"	1	Mathews Holyoke	1 1			
Medford street	Street main; from connection with high service main at Adams street to connection with high service main at Bartlett street; and from connection with high service main at Partridge avenue to connection with high service main at Glenwood road.		20							
Newberne street	Street main; from main in Morrison avenue to dead end 135' south from Morrison avenue.	8"	616	6"	1	Holyoke	1			
Packard avenue	Hydrants.	{ 6" 6" 6"	161 7 33	6"		Mathews	3			
Powder House boulevard (south side)	Street main; from point 535' west from Curtis street to point 133' west from Dow street.	10"	200							
Skilton avenue	Street main; from east entrance at south line Pearl street to west entrance at south line Pearl street.	{ 6" 6" 6"	529 20	12" 6" 6"	2 1 1	Mathews Holyoke	1 1			
Somerville avenue	Gates.	6"	40							
Somerville avenue	Hydrant.	6"	276							
Sydney street	Street main; from connection with old main to main in Grant street.									
Teele avenue	Street main; from connection with main 48' west from Packard avenue to point 148' west from Packard avenue.	6"	100	6"	1	Holyoke	1			
Wheatland street	Street main; from connection with old main to main in Marshall street.	6"	184							
Willow avenue	Hydrant.	6"	7	12"	1	Mathews Chapman	2 1			
Winslow avenue	Gates.	6"	18							
	Hydrant.	6"	7							
	Total		5,369		18		17		0 0	

Location and Length of Pipes Relaid, Gates and Hydrants Reset, 1906.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES.				HYDRANTS.	
		Size.	No. feet.	Aband. Size.	Aband. No.	Reset. Size.	Reset. No.	Abandoned. Kind.	Reset. Kind.
Broadway	Hydrant renewal.	6"	11					Holyoke	Mathews
Elmwood street	Hydrant renewal.	4"	6					Bigelow	Mathews
Medford street	Hydrant renewal.	6"	3					Coffin valve	Corey
Medford street	Hydrant renewal.	6"	4					Chapman	Mathews
Medford street	Hydrant renewal.	6"	4					Corey	Mathews
Medford street	Hydrant renewal.	6"	16					Mathews	Mathews
Medford street	Hydrant renewal.	4"	12					Boston Machine	Holyoke
Melrose street	Hydrant renewal.	4"	3					Holyoke	Pratt & Cady
Prescott street	Hydrant renewal.	6"							
Total . . .			59					8	8

Locations of Hydrants.

Adams street, 11 feet south from Broadway.
Adams street, 221 feet south from Broadway.
Adams street, 266 feet north from Medford street.
Adams street, 10 feet north from Medford street.
Adrian street, 93 feet east from Marion street.
Adrian street, 220 feet south from Joseph street.
Allen street, 9 feet north from Charlestown street.
Allen street, 45 feet west from Somerville avenue.
Allen street, 323 feet west from Somerville avenue.
Albion street, 396 feet west from Central street.
Albion street, 15 feet west from Centre street.
Albion street, 217 feet east from Lowell street.
Albion street, 7 feet west from house No. 110.
Albion street, 444 feet east from Cedar street.
Aldersey street, 276 feet west from Walnut street.
Alpine street, 280 feet east from Cedar street.
Alpine street, 76 feet west from Princeton street.
Alpine street, 298 feet west from Lowell street.
Alston street, 212 feet east from Cross street.
Alston street, 10 feet west from Shawmut place.
Ames street, 123 feet west from Central street.
Appleton street, 3 feet east from Clifton street.
Appleton street, 41 feet west from Willow avenue.
Arlington street, 36 feet east from Hathorn street.
Arthur street, 29 feet south from Broadway.
Ash avenue, 300 feet north from Meacham street.
Ashland street, 268 feet south from Summer street.
Auburn avenue, 239 feet west from Cross street.
Auburn avenue, 481 feet west from Cross street.
Austin street, 81 feet south from Mystic avenue.
Austin street, 66 feet north from Benedict street.
Austin street, 2 feet north from Broadway.
Avon street, 233 feet east from Central street.
Avon street, 572 feet west from School street.
Avon street, 270 feet west from School street.
Banks street, 310 feet south from Summer street.
Bartlett street (Ward 1), 130 feet south from Washington street.
Bartlett street (Ward 5), 230 feet south from Broadway.
Bartlett street (Ward 5), 223 feet north from Medford street.
Bartlett street (Ward 5), 15 feet south from Ames street.
Bartlett street (Ward 5), 10 feet south from Robinson street.
Bay State avenue, 7 feet south from Mallett street.
Bay State avenue, 39 feet south from Broadway.
Beacon street, 316 feet west from Greenwood terrace.
Beacon street, 10 feet east from Stanford terrace.
Beacon street, 46 feet west from Sacramento street.
Beacon street, south side Beacon street, 40 feet east from Sacramento street.
Beacon street, south side Beacon street, 2 feet west from Beckwith circle.
Beacon street, 15 feet west from Kent street.
Beacon street, 4 feet west from Ivaloo street.
Beacon street, 68 feet east from Park street.
Beacon street, 18 feet east from Durham street.
Beacon street, 26 feet east from Washington street.
Beacon street, 90 feet east from Calvin street.
Beacon street, 194 feet east from Calvin street.
Beacon street, 28 feet west from Buckingham street.
Beacon street, 208 feet east from Buckingham street.
Beacon street, 6 feet east from Concord avenue.

Beech street, 4 feet south from Atherton street.
Beech street, 31 feet east from Spring street.
Belmont street, 206 feet north from Spring Hill terrace.
Belmont street, 241 feet north from Summer street.
Belmont street, 243 feet south from Summer street.
Belmont street, 10 feet north from Belmont place.
Belmont street, 222 feet south from Belmont place.
Belmont street, 185 feet north from Somerville avenue.
Benedict street, 33 feet east from Mystic street.
Bennett street, 166 feet east from Prospect street.
Benton road, 2 feet north from Cambria street.
Benton road, 28 feet south from Highland avenue.
Berkeley street, 8 feet east from Central street.
Berkeley street, 150 feet east from Hersey street.
Berkeley street, 28 feet west from School street.
Berkeley street, 212 feet west from Hersey street.
Billingham street, 126 feet north from William street.
Bolton street, 203 feet north from Houghton street.
Bolton street, 3 feet south from Oak street.
Bonair street, 26 feet west from Cross street.
Bonair street, 90 feet east from Autumn street.
Bonair street, 121 feet east from Arthur street.
Bonair street, 67 feet east from Dana street.
Bonair street, opposite Melvin street.
Bonair street, 117 feet east from Walnut street.
Bond street, 63 feet south from Jaques street.
Bonner avenue, 171 feet north from Washington street.
Boston avenue, 110 feet south from bridge over Mystic river.
Boston avenue, 492 feet north from Gove street.
Boston avenue, 65 feet north from Highland road.
Boston avenue, 11 feet east from Pearson avenue.
Boston street, 11 feet west from Prospect Hill avenue.
Boston street, 207 feet west from Bigelow street.
Boston street, 87 feet east from Bigelow street.
Boston street, 6 feet north from Munroe street.
Bow street, 102 feet north from Warren avenue.
Bow street, 23 feet west from Wesley park.
Bow street, 25 feet east from Bow-street place.
Bow street, 74 feet north from Walnut street.
Bow-street place, 193 feet west from Bow street.
Bowdoin street, 65 feet north from Fremont avenue.
Bradley street, 26 feet south from Veazie street.
Brastow avenue, 202 feet east from Porter street.
Brastow avenue, 115 feet west from Lowell street.
Broadway, 50 feet east from Mt. Pleasant street.
Broadway, 20 feet west from George street.
Broadway, 21 feet west from Broadway place.
Broadway, 83 feet east from Cutter street.
Broadway, 7 feet east from Glen street.
Broadway, 21 feet east from Rush street.
Broadway, 15 feet west from Cross street.
Broadway, 7 feet west from Autumn street.
Broadway, 6 feet west from Montgomery avenue.
Broadway, 33 feet west from Walnut street.
Broadway, 4 feet east from Sargent avenue.
Broadway, 3 feet west from Melvin street.
Broadway, 157 feet west from Grant street.
Broadway, 117 feet east from Marshall street.
Broadway, 62 feet west from Marshall street.
Broadway, 4 feet west from School street.
Broadway, 10 feet west from Thurston street.

Broadway, 209 feet east from Central street.
Broadway, 104 feet west from Norwood avenue.
Broadway, 15 feet west from City road.
Broadway, 288 feet east from Cedar street.
Broadway, opposite Cedar street.
Broadway, 5 feet east from Wilson avenue.
Broadway, 252 feet west from Wilson avenue.
Broadway, 115 feet west from Rogers avenue.
Broadway, 236 feet west from Liberty avenue.
Broadway, 175 feet west from College avenue.
Broadway, 6 feet west from Billingham street.
Broadway, 9 feet west from Packard avenue.
Broadway, 32 feet east from Westminster street.
Broadway, 237 feet east from Endicott avenue.
Broadway, 6 feet west from Endicott avenue.
Broadway, 9 feet west from Garrison avenue.
Broadway, 330 feet west from Waterhouse street.
Broadway park, near the pond.
Brook street, 18 feet west from Rush street.
Browning road, 302 feet west from Sycamore street.
Browning road, 136 feet east from Central street.
Buckingham street, 2 feet south from Dimick street.
Burnside avenue, 259 feet north from Elm street.
Burnside avenue, 120 feet south from Summer street.
Calvin street, 186 feet south from Beacon street.
Cambria street, 131 feet west from Central street.
Cameron avenue, 166 feet south from Holland street.
Cameron avenue, opposite Mead street.
Cameron avenue, 26 feet south from Glendale avenue.
Campbell park, 258 feet west from Meacham road.
Cedar street, 226 feet south from Sartwell avenue.
Cedar street, 98 feet north from Sartwell avenue.
Cedar street, 61 feet north from Hall street.
Cedar street, 22 feet south from Highland avenue.
Cedar street, 12 feet north from Highland avenue.
Cedar street, 10 feet north from Albion street.
Cedar street, 124 feet south from Warwick street.
Cedar street, 50 feet north from Clyde street.
Cedar street, 24 feet south from Murdock street.
Cedar street, 270 feet south from Broadway.
Central street, 50 feet south from Broadway.
Central street, 6 feet north from Forster street.
Central street, 5 feet north from Pembroke street.
Central street, 187 feet south from Vernon street.
Central street, 9 feet north from Willoughby street.
Central street, 92 feet north from Highland avenue.
Central street, 9 feet south from Highland avenue.
Central street, 6 feet north from Oxford street.
Central street, 23 feet south from Avon street.
Central street, 14 feet south from Summer street.
Chandler street, 16 feet south from Broadway.
Chandler street, 206 feet north from Park avenue.
Chapel street, 14 feet east from Chandler street.
Charles street, 183 feet south from Washington street.
Charnwood road, 79 feet west from Hancock street.
Cherry street, 7 feet south from Sartwell avenue.
Cherry street, 254 feet north from Sartwell avenue.
Cherry street, 252 feet north from Summer street.
Cherry street, 26 feet south from Highland avenue.
Chester street, 15 feet north from Chester place.

Chestnut street, 480 feet south from Poplar street.
Chestnut street, 246 feet south from Poplar street.
Church street, 9 feet south from Summer street.
Church street, 300 feet south from Summer street.
Church street, 16 feet south from Somerville avenue.
Church street, 29 feet north from Somerville avenue.
Church street, 12 feet north from Lake street.
Claremon street, 255 feet south from Holland street.
Clarendon avenue, 253 feet south from Broadway.
Clarendon avenue, opposite house No. 66.
Clarendon avenue, near Cambridge line.
Clark street, 200 feet west from Newton street.
Clark street, 412 feet west from Newton street.
Cleveland street, 192 feet west from Central street.
Clyde street, 250 feet east from Cedar street.
Clyde street, opposite Murdock street.
Columbia street, 3 feet south from Beach avenue.
Columbia street, 8 feet south from Columbia court.
College avenue, 12 feet north from Winter street.
College avenue, 6 feet south from Morrison avenue.
College avenue, 8 feet south from Hall avenue.
College avenue, 53 feet west from Francesca avenue.
College avenue, opposite Kenwood street.
College avenue, 100 feet west from Broadway.
College avenue, 405 feet north from Broadway.
College avenue, 720 feet north from Broadway.
Columbus avenue, 7 feet north from Washington street.
Columbus avenue, 150 feet east from Bonner avenue.
Columbus avenue, 118 feet west from Bonner avenue.
Columbus avenue, 35 feet west from Stone avenue.
Columbus avenue, 8 feet east from Walnut street.
Concord avenue, 154 feet west from Prospect street.
Concord avenue, 76 feet east from Concord square.
Concord avenue, on east line of Knapp school.
Concord avenue, 313 feet east from Springfield street.
Concord avenue, 24 feet east from Springfield street.
Concord avenue, 7 feet east from Marion street.
Concord avenue, 6 feet south from Hammond street.
Concord avenue, 20 feet east from Wyatt street.
Conwell avenue, 20 feet west from Curtis street.
Conwell avenue, 460 feet west from Curtis street.
Conwell street, 6 feet south from Highland avenue.
Conwell street, 3 feet north from Francis street.
Cooney street, 98 feet north from Line street.
Cottage avenue, 206 feet west from Russell street.
Craigie street, 216 feet south from Summer street.
Craigie street, 232 feet north from Kimball street.
Craigie street, 77 feet south from Kimball street.
Craigie street, 126 feet north from Somerville avenue.
Crescent street, 125 feet south from Pearl street.
Crocker street, 4 feet south from Highland avenue.
Crocker street, 8 feet north from Crown street.
Cross street, 6 feet north from Pearl street.
Cross street, 32 feet north from Cross-street place.
Cross street, 62 feet north from Flint street.
Cross street, 16 feet north from Gilman street.
Cross street, 13 feet south from Auburn avenue.
Cross street, 39 feet north from Alston street.
Curtis avenue, 206 feet west from Curtis street.
Curtis street, 6 feet north from Broadway.
Curtis street, 3 feet south from Electric avenue.

Curtis street, 137 feet north from Ware street.
Curtis street, 3 feet south from Raymond avenue.
Curtis street, 34 feet south from Professors row.
Curtis street, 225 feet north from Professors row.
Cutter avenue, 11 feet south from Highland avenue.
Cutter square, 95 feet west from Cutter avenue.
Cutter street, 95 feet south from Broadway.
Cutter street, 444 feet south from Broadway.
Dana street, 18 feet north from Pearl street.
Dane avenue, 162 feet west from Leland street.
Dane avenue, 169 feet east from Dane street.
Dane street, 9 feet north from Tyler street.
Dane street, 260 feet south from Skehan street.
Dane street, 55 feet north from Skehan street.
Dartmouth street, 184 feet south from Broadway.
Dartmouth street, 200 feet north from Evergreen avenue.
Dartmouth street, 53 feet south from Evergreen avenue.
Dartmouth street, 171 feet north from Medford street.
Davis square, 45 feet east from Day street.
Day street, 10 feet south from Davis square.
Day street, opposite Herbert street.
Day street, 195 feet south from Herbert street.
Day street, 4 feet north from Orchard street.
Dell street, 255 feet west from Glen street.
Delaware street, 246 feet east from Aldrich street.
Delaware street, 8 feet south from Pearl street.
Derby street, 400 feet east from Temple street.
Dickinson street, 20 feet east from Beacon street.
Dickinson street, 7 feet north from Leon street.
Dover street, 22 feet south from Davis square.
Dover street, 203 feet south from Davis square.
Dover street, 312 feet north from Orchard street.
Dover street, 3 feet north from Orchard street.
Durham street, opposite Skehan street.
Durham street, 5 feet west from Hanson street.
Earle street, 4 feet east from Ward street.
Eastman place, 279 feet south from Highland avenue.
Edmands street, 15 feet south from Broadway.
Ellsworth street, 7 feet west from Rush street.
Elm street, 59 feet west from Craigie street.
Elm street, 17 feet west from Porter street.
Elm street, 28 feet east from Linden avenue.
Elm street, 11 feet east from Mossland street.
Elm street, 9 feet west from Cedar street.
Elm street, 153 feet east from Cherry street.
Elm street, 110 feet west from Cherry street.
Elm street, 14 feet east from Burnside avenue.
Elm street, 104 feet east from Willow avenue.
Elm street, 20 feet east from St. James avenue.
Elm street, 9 feet west from Elston street.
Elm street, 90 feet west from Windom street.
Elm street, 30 feet west from Russell street.
Elm street, 11 feet west from Grove street.
Elm street, 82 feet west from Chester street.
Elmwood street, 9 feet south from Holland street.
Elmwood street, 300 feet east from Harrison street.
Elmwood street, 85 feet west from Harrison street.
Eliot street, 3 feet east from Park street.
Endicott avenue, 422 feet south from Broadway.
Evergreen avenue, 8 feet east from School street.
Evergreen avenue, 114 feet east from Sycamore street.

Everett avenue, 5 feet west from Cross street.
Everett avenue, 9 feet east from Dana street.
Everett avenue, 449 feet west from Cross street.
Everett street, opposite Emerson street.
Fairlee street, 134 feet west from Cherry street.
Fairmount avenue, 280 feet west from Curtis street.
Fairmount avenue, opposite Watson street.
Farm lane, 70 feet north from Sumner street.
Farm lane, 67 feet south from Roberts street.
Farragut avenue, 258 feet south from Broadway.
Farragut avenue, 537 feet south from Broadway.
Fellsway East, 7 feet north from Broadway.
Fellsway West, 11 feet north from Broadway.
Fellsway West, 437 feet south from Mystic avenue.
Fenwick street, 40 feet north from Broadway.
Fiske avenue, 120 feet east from Hinckley street.
Fitchburg street, 395 feet east from Linwood street.
Flint street, 18 feet east from Flint avenue.
Flint street, 59 feet east from Cross street.
Flint street, 30 feet west from Franklin street.
Florence street, 206 feet south from Perkins street.
Florence street, 7 feet south from Pearl street.
Florence street, 453 feet north from Washington street.
Forster street, opposite Tennyson street.
Fosket street, 6 feet west from Bay State avenue.
Francesca avenue, 305 feet east from College avenue.
Francesca avenue, 7 feet west from Liberty avenue.
Franklin street, 14 feet north from Arlington street.
Franklin street, 55 feet north from Perkins street.
Franklin street, 76 feet south from Webster street.
Franklin street, 156 feet south from Pearl street.
Franklin street, 80 feet south from Oliver street.
Franklin street, 87 feet south from Palmer avenue.
Franklin street, 29 feet north from Washington street.
Fremont street, 82 feet north from Main street.
Fremont street, 343 feet north from Main street.
Fremont street, opposite Meacham street.
Fremont street, 287 feet north from Meacham street.
Fremont street, 25 feet north from East Albion street.
Frost avenue, 75 feet east from Sherman street.
Fountain avenue, 280 feet west from Glen street.
Garden court, 357 feet south from Somerville avenue.
Garfield avenue, 7 feet north from Broadway.
Garfield avenue, 24 feet south from Mystic avenue.
Garrison avenue, 235 feet south from Broadway.
Gibbens street, 202 feet west from Central street.
Gibbens street, 129 feet west from Benton road.
Gilman square, opposite Marshall street.
Gilman street, 103 feet east from Walnut street.
Gilman street, 143 feet east from Jasper street.
Gilman street, 8 feet west from Aldrich street.
Gilman street, 176 feet east from Aldrich street.
Gilman street, 295 feet west from Cross street.
Glass-house court, 360 feet west from Water street.
Glen street, 147 feet south from Broadway.
Glen street, 8 feet north from Brook street.
Glen street, 6 feet north from Webster street.
Glen street, 1 foot north from Flint street.
Glen street, 11 feet north from Fountain avenue.
Glendale avenue, 80 feet west from Cameron avenue.
Glendale avenue, 8 feet east from Yorktown street.

Glenwood road, 224 feet south from Broadway.
Glenwood road, 16 feet north from Vernon street.
Glenwood road, 320 feet north from Vernon street.
Glenwood road, 467 feet north from Vernon street.
Gorham street, 310 feet south from Holland street.
Gorham street, 67 feet north from Howard street.
Grand View avenue, 286 feet east from Vinal avenue.
Granite street, 178 feet north from Somerville avenue.
Grant street, 2 feet north from Derby street.
Greene street, 295 feet south from Summer street.
Greenville street, 148 feet north from Boston street.
Greenville street, 33 feet north from Munroe street.
Grove street, 163 feet south from Highland avenue.
Hall avenue, 310 feet east from College avenue.
Hall avenue, 306 feet west from Liberty avenue.
Hall avenue, 9 feet west from Liberty avenue.
Hall street, 269 feet west from Cedar street.
Hamlet street, 321 feet south from Highland avenue.
Hammond street, 30 feet west from Dickinson street.
Hancock street, 258 feet south from Summer street.
Hanson street, 12 feet south from Village street.
Hanson street, 9 feet south from Nevada avenue.
Hanson street, 6 feet south from Skehan street.
Harvard street, 13 feet north from Beech street.
Harvard street, 23 feet north from Harvard place.
Harrison street, 77 feet east from Kent street.
Harrison street (Ward 7), 4 feet east from Elmwood street.
Hathorn street, 145 feet south from Broadway.
Hawkins street, 50 feet north from Lake street.
Hawthorne street, 8 feet east from Cutter avenue.
Hawthorne street, 209 feet east from West street.
Heath street, 3 feet west from Temple street.
Heath street, 308 feet west from West street.
Heath street, 100 feet west from Bond street.
Heath street, 4 feet east from Fenwick street.
Heath street, 5 feet east from Moreland street.
Henderson street, 107 feet north from Wilton street.
Herbert street, 163 feet west from Chester street.
Highland avenue, 28 feet west from Hamlet street.
Highland avenue, 5 feet east from Walnut street.
Highland avenue, 262 feet west from Walnut street.
Highland avenue, 80 feet east from Vinal avenue.
Highland avenue, 41 feet west from Putnam street.
Highland avenue, 75 feet west from Prescott street.
Highland avenue, 114 feet west from School street.
Highland avenue, 410 feet west from School street.
Highland avenue, 112 feet west from Trull lane.
Highland avenue, 171 feet east from Central street.
Highland avenue, 214 feet east from Spring Hill terrace.
Highland avenue, 23 feet west from Spring Hill terrace.
Highland avenue, 20 feet west from Belmont street.
Highland avenue, 4 feet east from Tower street.
Highland avenue, 2 feet east from Porter street.
Highland avenue, 212 feet east from Cedar street.
Highland avenue, 63 feet east from Cherry street.
Highland avenue, 35 feet east from Hancock street.
Highland avenue, 4 feet west from Hancock street.
Highland avenue, 44 feet east from Willow avenue.
Highland avenue, 3 feet west from Willow avenue.
Highland avenue, 59 feet east from West street.
Highland avenue, 36 feet west from West street.

Highland avenue, 36 feet east from Grove street.
Highland avenue, 6 feet west from Grove street.
Highland avenue, 218 feet west from Grove street.
Highland avenue, 64 feet east from Davis square.
Highland road, 264 feet north from Morrison avenue.
Highland road, 83 feet south from Frederick avenue.
Highland road, 175 feet north from Frederick avenue.
Highland road, 221 feet south from Boston avenue.
Hinckley street, 106 feet south from Broadway.
Holland street, 39 feet west from Dover street.
Holland street, 8 feet west from B. & M. R. R. crossing.
Holland street, 23 feet south from Winter street.
Holland street, 5 feet east from Jay street.
Holland street, 3 feet east from Paulina street.
Holland street, 94 feet east from Claremon street.
Holyoke road (E.), 167 feet south from Elm street.
Holyoke road (W.), 185 feet south from Elm street.
Homer square, 200 feet west from Bonner avenue.
Houghton street, 82 feet west from Prospect street.
Houghton street, 3 feet west from Bolton street.
Houghton street, 10 feet west from Oak street.
Howard street, 36 feet west from Thorndike street.
Howe street, 162 feet east from School street.
Hudson street, 12 feet east from Waldo street.
Hudson street, opposite Benton road.
Hudson street, 294 feet east from Lowell street.
Hudson street, 10 feet west from Lowell street.
Hudson street, 362 feet west from Lowell street.
Hudson street, 675 feet west from Lowell street.
Hudson street, 364 feet east from Cedar street.
Hudson street, 24 feet east from Cedar street.
Ibbetson street, 256 feet north from Somerville avenue.
Ibbetson street, 6 feet south from Kimball street.
Irving street, 6 feet south from Broadway.
Irving street, 285 feet south from Broadway.
Irving street, 542 feet north from Holland street.
Irving street, 190 feet north from Holland street.
James street, 100 feet north from Pearl street.
Jaques street, 10 feet west from Fellsway West.
Jaques street, 8 feet west from Grant street.
Jaques street, 360 feet east from Temple street.
Jaques street, 185 feet west from Temple street.
Jaques street, 410 feet east from Bond street.
Jasper street, 5 feet south from Virginia street.
Jay street, 82 feet north from Howard street.
Joseph street, 100 feet west from Adrian street.
Josephine avenue, 397 feet north from Morrison avenue.
Josephine avenue, 90 feet south from Frederick avenue.
Josephine avenue, 129 feet north from Frederick avenue.
Josephine avenue, 425 feet north from Frederick avenue.
Josephine avenue, 213 feet south from Broadway.
Joy street, 34 feet south from Washington street.
Joy street, 502 feet south from Washington street.
Joy street, 271 feet north from Poplar street.
Kensington avenue, 6 feet north from Broadway.
Kent court, 205 feet west from Kent street.
Kent street, 38 feet south from Somerville avenue.
Kidder avenue, 346 feet east from College avenue.
Kingman court, 282 feet south from Washington street.
Kingston street, 95 feet west from Thorndike street.
Knowlton street, opposite Morton street.

Lake street, 220 feet west from Hawkins street.
Lake street, 4 feet east from Carlton street.
Laurel street, 50 feet north from Greene street.
Laurel street, 8 feet north from Park place.
Lawrence street, 9 feet south from Richardson street.
Leland street, 14 feet south from Dane avenue.
Lesley avenue, 57 feet north from Highland avenue.
Lexington avenue, 244 feet west from Cedar street.
Lexington avenue, 200 feet east from Hancock street.
Lexington avenue, 3 feet west from Hancock street.
Lexington avenue, 4 feet east of Henry avenue.
Liberty avenue, 3 feet north from Kidder avenue.
Liberty avenue, 12 feet north from Mallett street.
Lincoln avenue, 206 feet west from Mt. Vernon street.
Lincoln parkway, 150 feet west from Joseph street.
Lincoln parkway, 290 feet east from Wyatt street.
Lincoln street, 38 feet south from Broadway.
Lincoln street, 174 feet north from Perkins street.
Linden avenue, 118 feet south from Gilson terrace.
Linden avenue, 255 feet south from Olive avenue.
Linden avenue, 30 feet north from Olive avenue.
Linden street, 31 feet north from Charlestown street.
Linden street, 237 feet south from Somerville avenue.
Line street, 272 feet west from Cooney street.
Line street, 100 feet west from Smith avenue.
Linwood street, 385 feet south from Washington street.
Linwood street, 12 feet north from Linwood terrace.
Linwood street, 48 feet south from Lamson court.
Linwood street, 125 feet north from London street.
Linwood street, 52 feet south from London street.
Linwood street, 2 feet south from Linwood place.
London street, 383 feet east from Linwood street.
Loring street, 276 feet north from Somerville avenue.
Lovell street, 41 feet south from Electric avenue.
Lowden avenue, 8 feet south from Mallett street.
Lowell street, 1 foot north from Fiske avenue.
Lowell street, 50 feet north from Richardson street.
Lowell street, 183 feet south from Richardson street.
Lowell street, 124 feet south from Wilton street.
Lowell street, opposite Vernon street.
Lowell street, 3 feet south from Princeton street.
Lowell street, 163 feet south from Highland avenue.
Lowell street, 53 feet north from Crown street.
Lowell street, 351 feet south from Summer street.
Lowell street, 16 feet north from Kimball street.
Madison street, 103 feet west from School street.
Madison street, 467 feet west from School street.
Main street, junction with Broadway.
Main street, 112 feet west from Mt. Vernon avenue.
Main street, 5 feet west from Moreland street.
Malloy court, 16 feet south from Somerville avenue.
Mansfield street, 190 feet north from Somerville avenue.
Mansfield street, 189 feet south from Washington street.
Maple avenue, 294 feet east from School street.
Maple street, 7 feet south from Jackson street.
Maple street, 87 feet north from Poplar street.
Marion street, 31 feet south from Adrian street.
Marion street, 74 feet north from Wyatt street.
Marshall street, 80 feet south from Stickney avenue.
Marshall street, 30 feet north from Stickney avenue.
Marshall street, opposite Howe street.

Marshall street, 5 feet north from Evergreen avenue.
Marshall street, 104 feet south from Mortimer place.
Marshall street, 109 feet north from Oakland avenue.
Meacham road, 4 feet north from Orchard street.
Meacham road, 97 feet north from Kingston street.
Meacham road, 326 feet east from Lester terrace.
Meacham street, 14 feet west from Moreland street.
Mead street, 48 feet east from Claremon street.
Medford street, 50 feet north from Hennessey court.
Medford street, 56 feet north from Lowell street.
Medford street, 14 feet north from Glenwood road.
Medford street, 16 feet south from Bartlett street.
Medford street, 6 feet north from Central street.
Medford street, 19 feet south from Sycamore street.
Medford street, 15 feet south from Lee street.
Medford street, 46 feet south from Thurston street.
Medford street, 31 feet south from Dartmouth street.
Medford street, 5 feet north from School street.
Medford street, 171 feet north from Marshall street.
Medford street, 266 feet north from Walnut street.
Medford street, 3 feet east from Walnut street.
Medford street, 291 feet south from Walnut street.
Medford street, 8 feet south from Greenville street.
Medford street, 13 feet north from Prospect Hill avenue.
Medford street, 240 feet south from Prospect Hill avenue.
Medford street, opposite Chester avenue.
Medford street, 216 feet south from Washington street.
Medford street, 69 feet north from Jackson street.
Medford street, 21 feet north from Somerville avenue.
Medford street, 382 feet south from Somerville avenue.
Medford street, 220 feet north from Ward street.
Medford street, 55 feet north from Ward street.
Medford street, 91 feet south from Ward street.
Medford street, 46 feet south from South street.
Medford street, 17 feet south from Warren street.
Medford street, 220 feet south from Warren street.
Melrose street, 610 feet north from Mystic avenue.
Merriam street, 25 feet north from Charlestown street.
Miller street, 300 feet west from Sacramento street.
Miner street, 137 feet north from Vernon street.
Mondamin court, 272 feet west from Ivaloo street.
Monmouth street, 7 feet west from Central street.
Monmouth street, 156 feet east from Harvard street.
Montrose street, 10 feet east from Sycamore street.
Montrose street, 287 feet east from Sycamore street.
Montrose street, 259 feet west from School street.
Moore street, 22 feet south from Holland street.
Moore street, 335 feet south from Holland street.
Moore street, 21 feet north from Mead street.
Moreland street, 345 feet north from Meacham street.
Moreland street, 2 feet south from East Albion street.
Morgan street, 125 feet west from Park street.
Morrison avenue, 124 feet west from Cedar street.
Morrison avenue, 44 feet east from Pearson avenue.
Morrison avenue, 124 feet east from Rogers avenue.
Morrison avenue, 13 feet west from Newberne street.
Morrison avenue, 183 feet west from Clifton street.
Morrison avenue, 33 feet west from Grove street.
Mossland street, 114 feet north from Somerville avenue.
Mt. Pleasant street, 140 feet south from Broadway.
Mt. Pleasant street, 135 feet north from Perkins street.

Mt. Vernon avenue, 156 feet north from Heath street.
Mt. Vernon avenue, 38 feet south from Heath street.
Mt. Vernon street, 246 feet north from Washington street.
Mt. Vernon street, 8 feet north from Pearl street.
Mt. Vernon street, 7 feet south from Perkins street.
Mt. Vernon street, 11 feet south from Lincoln avenue.
Mt. Vernon street, 5 feet south from Broadway.
Munroe street, 203 feet east from Walnut street.
Munroe street, 6 feet west from Bigelow street.
Munroe street, 289 feet west from Boston street.
Murdock street, 204 feet east from Cedar street.
Murdock street, 610 feet east from Cedar street.
Museum street, 174 feet west from Beacon street.
Myrtle street, 218 feet north from Washington street.
Myrtle street, 460 feet north from Washington street.
Myrtle street, 74 feet south from Pearl street.
Myrtle street, 219 feet north from Pearl street.
Mystic avenue, 90 feet east from Union street.
Mystic avenue, 3 feet west from Union street.
Mystic avenue, 438 feet east from Austin street.
Mystic avenue, 11 feet west from Fellsway West.
Mystic avenue, 60 feet west from Temple street.
Mystic avenue, 25 feet east from Melrose street.
Mystic avenue, 800 feet east from Moreland street.
Mystic avenue, 544 feet east from Moreland street.
Mystic avenue, 241 feet east from Moreland street.
Mystic street (Ward 1), 148 feet north from Benedict street.
Mystic street (Ward 2), 160 feet south from Washington street.
Nashua street, 190 feet south from Wilton street.
Newberne street, 62 feet south from Morrison avenue.
Newbury street, 15 feet south from Holland street.
Newbury street, 260 feet south from Holland street.
Newbury street, 558 feet south from Holland street.
Newbury street, 777 feet south from Holland street.
Newbury street, 200 feet north from Cambridge line.
New Cross street, 114 feet north from Broadway.
Newton street, 9 feet west from Joseph street.
Newton street, 9 feet east from Clark street.
Norfolk street, 27 feet south from Webster avenue.
Norfolk street, 227 feet south from Webster avenue.
North street, 18 feet north from Broadway.
North street, 13 feet north from south line of Russell road.
North street, 453 feet north from Raymond avenue.
North street, 190 feet north from city bound No. 17.
North Union street, 287 feet north from Mystic avenue.
Oak street, 8 feet west from Prospect street.
Oak street, 315 feet north from Houghton street.
Oakland avenue, 109 feet west from Marshall street.
Oliver street, 191 feet east from Cross street.
Oliver street, 15 feet east from Glen street.
Oliver street, 7 feet west from Franklin street.
Orchard street, 8 feet west from Russell street.
Orchard street, west corner Milton street.
Orchard street, 9 feet east from Chester street.
Ossipee road, 177 feet east from Curtis street.
Ossipee road, 139 feet west from Packard avenue.
Otis street, 12 feet west from Cross street.
Otis street, 440 feet west from Cross street.
Otis street, 6 feet east from Wigglesworth street.
Oxford street, 280 feet west from School street.

Oxford street, 46 feet east from Trull lane.
Oxford street, 237 feet west from Hersey street.
Packard avenue, 164 feet south from Electric avenue.
Packard avenue, 34 feet north from Electric avenue.
Packard avenue, 35 feet south from Powder House boulevard.
Park avenue, 83 feet west from College avenue.
Park avenue, 10 feet west from Chandler street.
Park street, opposite Allen court.
Park street, 187 feet north from Beacon street.
Park street, 69 feet south from Somerville avenue.
Partridge avenue, 5 feet south from Broadway.
Partridge avenue, 26 feet north from Medford street.
Partridge avenue, 117 feet south from Medford street.
Partridge avenue, 421 feet south from Medford street.
Partridge avenue, 276 feet north from Vernon street.
Paulina street, 184 feet north from Holland street.
Paulina street, 288 feet south from Broadway.
Paulina street, 5 feet south from Broadway.
Pearl street, 50 feet west from Crescent street.
Pearl street, 7 feet north from Pinckney street.
Pearl street, 29 feet east from Franklin street.
Pearl street, opposite Hillside avenue.
Pearl street, 15 feet west from Glen street.
Pearl street, 90 feet east from Cross street.
Pearl street, 3 feet east from Pearl terrace.
Pearl street, 6 feet west from Walnut street.
Pearl street, 72 feet east from Bradley street.
Pearl street, 110 feet east from Marshall street.
Pearson avenue, 309 feet north from Morrison avenue.
Pearson avenue, 44 feet south from Frederick avenue.
Pearson avenue, 308 feet north from Frederick avenue.
Pearson road, 127 feet north from Broadway.
Pembroke street, 14 feet east from Tennyson street.
Perkins street, opposite Myrtle street.
Perkins street, 78 feet east from Florence street.
Perkins street, 24 feet east from Pinckney street.
Perkins street, 56 feet east from Perkins place.
Perkins street, 21 feet east from Mt. Pleasant street.
Perry street, 324 feet south from Washington street.
Pinckney street, 11 feet north from Washington street.
Pinckney street, 330 feet south from Pearl street.
Pinckney street, 71 feet south from Pearl street.
Pinckney street, 203 feet north from Pearl street.
Pitman street, 180 feet west from Beech street.
Pleasant avenue, 256 feet west from Walnut street.
Poplar street, 21 feet west from Joy street.
Poplar street, 22 feet east from Linwood street.
Porter street, 1 foot north from Mountain avenue.
Porter street, 282 feet south from Summer street.
Porter street, 24 feet north from Williams court.
Porter street, 8 feet north from Parker place.
Powder House boulevard, 191 feet west from Packard avenue.
Powder House boulevard, 172 feet east from Curtis street.
Powder House boulevard, 197 feet west from Curtis street.
Powder House boulevard, 528 feet west from Curtis street.
Prescott street, 330 feet south from Highland avenue.
Prescott street, 586 feet south from Highland avenue.
Prescott street, 257 feet north from Summer street.
Preston road, 269 feet west from School street.
Preston road, 166 feet south from Summer street.
Pritchard avenue, 255 feet north from Morrison avenue.

Pritchard avenue, 46 feet north from Frederick avenue.
Pritchard avenue, 168 feet south from Boston avenue.
Professors row, 39 feet east from College avenue.
Professors row, 158 feet west from Boston avenue.
Professors row, 126 feet west from College avenue.
Professors row, 291 feet west from College avenue.
Professors row, 548 feet east from Packard avenue.
Professors row, 156 feet east from Packard avenue.
Professors row, 3 feet west from Packard avenue.
Professors row, 296 feet west from Packard avenue.
Professors row, 113 feet east from Curtis street.
Prospect Hill avenue, 10 feet north from Munroe street.
Prospect street, 135 feet north from Bennett street.
Prospect street, 35 feet south from Concord avenue.
Prospect street, 185 feet south from Oak street.
Prospect street, 403 feet south from Oak street.
Prospect street, 63 feet north from Houghton street.
Putnam street, 116 feet south from Highland avenue.
Putnam street, 420 feet south from Highland avenue.
Putnam street, 612 feet north from Summer street.
Putnam street, 308 feet north from Summer street.
Putnam street, 46 feet north from Summer street.
Quincy street, 91 feet north from Somerville avenue.
Quincy street, 381 feet north from Somerville avenue.
Quincy street, 26 feet south from Summer street.
Raymond avenue, 728 feet west from Curtis street.
Richardson street, 11 feet west from Nashua street.
Richdale avenue, opposite Thurston street.
Robinson street, 325 feet west from Central street.
Rogers avenue, 369 feet south from Broadway.
Rogers avenue, 257 feet north from Frederick avenue.
Rogers avenue, 88 feet south from Frederick avenue.
Rogers avenue, 255 feet north from Morrison avenue.
Rossmore street, 244 feet south from Washington street.
Rush street, 84 feet south from Pearl street.
Rush street, 11 feet north from Pearl street.
Rush street, 128 feet north from Brook street.
Russell road, 11 feet north from Broadway.
Russell road, 312 feet north from Broadway.
Sacramento street, 5 feet south from Miller street.
Sacramento street, 142 feet south from Beacon street.
Sanborn avenue, 55 feet east from Walnut street.
Sargent avenue, 474 feet south from Broadway.
Sargent avenue, 361 feet west from Walnut street.
Sargent avenue, 95 feet west from Walnut street.
School street, 31 feet south from Oakland avenue.
School street, 100 feet south from Maple avenue.
School street, 6 feet south from Montrose street.
School street, 128 feet north from Highland avenue.
School street, 88 feet north from Oxford street.
School street, 15 feet north from Avon street.
School street, 100 feet south from Summer street.
School street, 93 feet south from Preston road.
School street, 61 feet north from Knapp street.
Sewall street, 311 feet west from Grant street.
Shawmut street, 9 feet west from Washington street.
Shawmut street, 153 feet west from Shawmut place.
Simpson avenue, 272 feet south from Broadway.
Simpson avenue, 142 feet north from Holland street.
Skehan street, 110 feet east from Hanson street.
Skilton avenue, on east entrance, 173 feet south from south line of Pearl street.

Somerville avenue, 188 feet west from Mossland street.
Somerville avenue, 308 feet east from Mossland street.
Somerville avenue, 600 feet east from Mossland street.
Somerville avenue, 116 feet west from Elm street.
Somerville avenue, 9 feet east from Ibbetson street.
Somerville avenue, 77 feet east from Belmont street.
Somerville avenue, 14 feet west from Garden court.
Somerville avenue, 133 feet west from Kent street.
Somerville avenue, 13 feet west from Beech street.
Somerville avenue, 11 feet east from Central street.
Somerville avenue, 2 feet west from Abdell street.
Somerville avenue, 15 feet west from Laurel street.
Somerville avenue, 86 feet west from Granite street.
Somerville avenue, 38 feet west from Sherman street.
Somerville avenue, 76 feet east from Hawkins street.
Somerville avenue, 185 feet west from Hawkins street.
Somerville avenue, 88 feet west from Quincy street.
Somerville avenue, 105 feet east from Carlton street.
Somerville avenue, 90 feet west from Prospect street.
Somerville avenue, 28 feet west from Linden street.
Somerville avenue, 9 feet east from Mystic street.
Somerville avenue, 94 feet west from Mansfield street.
Somerville avenue, 126 feet east from Medford street.
Somerville avenue, 88 feet east from Poplar street.
Somerville avenue, 464 feet east from Poplar street.
Somerville avenue, 153 feet west from Linwood street.
Somerville avenue, 20 feet east from F. R. R. crossing.
Somerville avenue, 368 feet west from Franklin court.
Somerville avenue, 262 feet west from Franklin court.
Somerville avenue, 23 feet east from Franklin court.
Somerville avenue, 81 feet south from north line of Squire's box mill.
Somerville avenue, 100 feet west from Cambridge line.
South street, 97 feet west from Bedford street.
South street, 2 feet east from Harding street.
South street, 25 feet west from Hunting street.
South street, 80 feet west from Willow place.
Spencer avenue, 290 feet west from Cedar street.
Spencer avenue, 63 feet east from Hancock street.
Spring street, 10 feet south from Pitman street.
Spring street, 184 feet north from Beech street.
Springfield street, 140 feet south from Concord avenue.
Springfield street, 21 feet south from Dickinson street.
Springfield street, 177 feet south from Houghton street.
Spring Hill terrace, 333 feet south from Highland avenue.
Stickney avenue, 212 feet west from Marshall street.
Stone avenue, 120 feet north from Union square.
Stone avenue, 275 feet south from Columbus avenue.
Summer street, 148 feet east from Cutter avenue.
Summer street, opposite Elston street.
Summer street, west corner Hancock street.
Summer street, 34 feet east from Banks street.
Summer street, 6 feet east from Cherry street.
Summer street, 6 feet east from Cedar street.
Summer street, 24 feet east from Linden avenue.
Summer street, opposite Craigie street.
Summer street, 35 feet east from Porter street.
Summer street, 4 feet east from Lowell street.
Summer street, 3 feet east from Belmont street.
Summer street, 1 foot west from Spring street.
Summer street, 53 feet west from Harvard street.
Summer street, 215 feet east from Harvard street.
Summer street, 59 feet east from Central street.

Summer street, 19 feet west from Laurel street.
Summer street, 52 feet west from Preston road.
Summer street, 191 feet west from School street.
Summer street, 8 feet east from School street.
Summit avenue, 231 feet east from Vinal avenue.
Sunnyside avenue, 99 feet west from Wigglesworth street.
Sycamore street, 18 feet south from Broadway.
Sycamore street, 62 feet south from Browning road.
Sycamore street, 1 foot south from Forster street.
Sycamore street, 200 feet north from Medford street.
Sycamore street, 174 feet south from Medford street.
Sydney street, 418 feet east from Temple street.
Talbot avenue, 488 feet east from Packard avenue.
Temple street, 4 feet north from Broadway.
Temple street, 123 feet south from Sewall street.
Temple street, 11 feet north from Jaques street.
Temple street, 6 feet south from Derby street.
Temple street, 5 feet south from Sydney street.
Tenney court, 306 feet north from Mystic avenue.
Tennyson street, 4 feet south from Medford street.
Tennyson street, 117 feet north from Pembroke street.
Thorndike street, 4 feet south from Holland street.
Thorndike street, 82 feet north from Kingston street.
Thorpe place, 269 feet south from Highland avenue.
Thurston street, 187 feet north from Medford street.
Thurston street, 160 feet south from Evergreen avenue.
Thurston street, 6 feet north from Evergreen avenue.
Thurston street, 348 feet north from Evergreen avenue.
Tower street, 18 feet north from Crown street.
Tremont street, 9 feet south from Webster avenue.
Tremont street, 454 feet south from Webster avenue.
Trull street, 3 feet south from Medford street.
Trull street, 276 feet south from Medford street.
Trull street, 522 feet north from Vernon street.
Trull street, 270 feet north from Vernon street.
Tufts street, 51 feet north from Washington street.
Tufts street, 150 feet south from Glen street.
Tufts street, 43 feet north from Glen street.
Tufts street, 53 feet south from Dell street.
Tufts street, 45 feet south from Cross street.
Tyler street, 31 feet east from Vine street.
Union square, 267 feet east from Webster avenue.
Union square, 15 feet east from Stone avenue.
Union square, 3 feet west from Bow street.
Union square, centre of square.
Union street, 3 feet north from Broadway.
Union street, 123 feet south from Mystic avenue.
Veazie street, 1 foot west from James street.
Vernon street, 72 feet west from Partridge avenue.
Vernon street, 1 foot east from Bartlett street.
Vernon street, 2 feet east from Miner street.
Victoria street, 255 feet south from Broadway.
Victoria street, 506 feet south from Broadway.
Victoria street, 151 feet north from Woodstock street.
Villa avenue, 121 feet south from Winslow avenue.
Vinal avenue, 6 feet south from Highland avenue.
Vinal avenue, 10 feet north from Pleasant avenue.
Vinal avenue, 129 feet north from Aldersey street.
Vinal avenue, 206 feet north from Summer street.
Vinal avenue, 15 feet north from Summer street.
Vine street, 15 feet north from Beacon street.
Vine street, opposite Eliot street.

Vine street, 121 feet south from Tyler street.
Vine street, 32 feet south from Somerville avenue.
Virginia street, 45 feet west from Aldrich street.
Waldo street, 6 feet north from Highland avenue.
Wallace street, 37 feet south from Broadway.
Wallace street, 395 feet south from Broadway.
Wallace street, 483 feet north from Park avenue.
Wallace street, 166 feet north from Park avenue.
Wallace street, 10 feet north from Holland street.
Walnut street, 88 feet south from Wellington avenue.
Walnut street, opposite Veazie street.
Walnut street, 87 feet north from Gilman street.
Walnut street, 31 feet north from Pleasant avenue.
Walnut street, 12 feet south from Boston street.
Walter street, 28 feet west from Walnut street.
Walter street, 50 feet west from Bradley street.
Ward street, 104 feet west from Medford street.
Ward street, 3 feet east from Emery street.
Ware street, 258 feet west from Curtis street.
Ware street, 638 feet west from Curtis street.
Warner street, 60 feet north from Broadway.
Warren avenue, 5 feet north from Sanborn avenue.
Warren avenue, 48 feet north from Bow street.
Warren avenue, 7 feet south from Columbus avenue.
Warwick place, 142 feet north from Warwick street.
Warwick street, 426 feet east from Cedar street.
Washington street, 69 feet west from Crescent street.
Washington street, 3 feet west from Waverley street.
Washington street, west corner Mt. Vernon street.
Washington street, 3 feet west from Murray street.
Washington street, 6 feet west from Florence street.
Washington street, 15 feet west from Myrtle street.
Washington street, 2 feet east from Bartlett street.
Washington street, 18 feet east from Franklin avenue.
Washington street, 160 feet east from Franklin street.
Washington street, 50 feet east from Shawmut street.
Washington street, 37 feet east from Rossmore street.
Washington street, 78 feet east from Boston street.
Washington street, 28 feet west from Mystic street.
Washington street, 6 feet west from Clark place.
Washington street, 156 feet west from Bonner avenue.
Washington street, 6 feet east from Kingman court.
Washington street, 243 feet east from Parker street.
Washington street, 50 feet east from Bowdoin street.
Washington street, 15 feet east from Perry street.
Washington street, 9 feet east from Leland street.
Washington street, 112 feet east from Dane street.
Washington street, 175 feet west from Dane street.
Washington street, 45 feet east from Beacon street.
Washington street, 62 feet east from Line street.
Water street, 91 feet north from South street.
Water street, 254 feet north from South street.
Water street, 354 feet north from South street.
Waterhouse street, 24 feet south from Broadway.
Waterhouse street, 326 feet south from Broadway.
Waterhouse street, 630 feet south from Broadway.
Webster avenue, 93 feet south from Washington street.
Webster avenue, 12 feet south from Everett street.
Webster avenue, 25 feet north from Newton street.
Webster avenue, 63 feet north from Prospect street.
Webster avenue, 18 feet south from Prospect street.
Webster avenue, 78 feet north from Tremont street.

Webster avenue, 3 feet north from Beach avenue.
 Webster avenue, 1 foot south from Columbia court.
 Webster street, 25 feet east from Cross street.
 Webster street, 9 feet east from Rush street.
 Webster street, opposite Cutter street.
 Wellington avenue, 15 feet west from Montgomery avenue.
 Wesley street, 200 feet north from Pearl street.
 Wesley park, 16 feet north from Bow street.
 Wesley park, 335 feet north from Bow street.
 West street, 2 feet north from Broadway.
 West street (Ward 7), 92 feet south from Highland avenue.
 West street (Ward 7), 140 feet north from Highland avenue.
 Westminster street, 156 feet south from Electric avenue.
 Westwood road, 90 feet west from Central street.
 Westwood road, 58 feet east from Benton road.
 Wheatland street, 129 feet north from Broadway.
 Wheatland street, 9 feet south from Jaques street.
 Wheatland street, 73 feet north from Derby street.
 Wheatland street, 78 feet south from Mystic avenue.
 Whipple street, 101 feet north from Highland avenue.
 Wigglesworth street, 14 feet north from Pearl street.
 William street, 8 feet east from Chandler street.
 Willoughby street, 146 feet west from Sycamore street.
 Willow avenue, 14 feet north from Summer street.
 Willow avenue, 3 feet north from Lexington avenue.
 Willow avenue, 46 feet south from Morrison avenue.
 Willow avenue, 42 feet south from Fosket street.
 Willow avenue, 85 feet south from Frederick avenue.
 Willow avenue, 171 feet north from Frederick avenue.
 Willow avenue, opposite Mallett street.
 Wilton street, 6 feet east from Nashua street.
 Wilton street, 10 feet east from Lawrence street.
 Windom street, 7 feet south from Summer street.
 Windsor road, 86 feet east from Willow avenue.
 Windsor road, 45 feet west from Hancock street.
 Winslow avenue, 145 feet east from College avenue.
 Winslow avenue, 5 feet west from Grove street.
 Winslow avenue, 224 feet east from Grove street.
 Winslow avenue, 8 feet west from Clifton street.
 Winter street, 130 feet east from Holland street.
 Winter-hill circle, 178 feet north from Broadway.
 Woodbine street, 222 feet west from Centre street.
 Wyatt street, 8 feet south from Taunton street.

List of Private Hydrants Supplied from the City of Somerville Mains.

John P. Squire & Co.	10
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	7
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	1
Middlesex Bleachery	3
Boston Elevated Railway Co.	1
Metropolitan Sewerage Pumping Station	1
Tufts College	4
Middlesex Paper Co.	2
Derby Desk Co.	1
M. W. Carr & Co.	2

Locations of Water Posts.

Albion street, 83 feet west from Centre street.
Appleton street, 49 feet west from Willow avenue.
Bartlett street, 26 feet south from Broadway.
Beacon street, 33 feet north from Concord avenue.
Beacon street, 33 feet west from Vine street.
Beacon street, 94 feet east from Sacramento street.
Bolton street, opposite Baxter school.
Bonair street, 19 feet west from Wigglesworth street.
Bond street, 14 feet north from Broadway.
Boston street, 107 feet west from Greenville street.
Broadway, 75 feet west from Winthrop avenue.
Broadway, 6 feet west from Farm lane.
Broadway, 6 feet west from Irving street.
Broadway, 120 feet west from Clarendon avenue.
Broadway, 20 feet west from North street.
Cedar street, 96 feet south from Morrison avenue.
Cherry street, 161 feet south from Fairlee street.
College avenue, opposite Morrison avenue.
College avenue, 5 feet south from Kenwood street.
Columbus avenue, 54 feet east from Walnut street.
Concord avenue, opposite Knapp school.
Curtis street, 50 feet east from Professors row.
Dana street, 30 feet east from Pearl street.
Elm street, 25 feet west from Burnside avenue.
Flint street, 47 feet east from Cross street.
Franklin street, 127 feet south from Broadway.
Gilman street, 63 feet east from Walnut street.
Grove street, 19 feet south from Highland avenue.
Highland avenue, 44 feet west from Hamlet street.
Highland avenue, 50 feet west from Putnam street.
Highland avenue, 15 feet west from Central street.
Jaques street, 159 feet west from Grant street.
Laurel street, 20 feet south from Summer street.
Liberty avenue, 46 feet south from Broadway.
Linwood street, 70 feet west from Poplar street.
Lowell street, opposite Crown street.
Lowell street, 34 feet north from Highland avenue.
Medford street, 35 feet east from Ward street.
Medford street, at Gilman square.
Medford street, 19 feet east from Glenwood road.
Montrose street, 204 feet west from School street.
Mt. Vernon street, 71 feet south from Broadway.
Mystic avenue, 33 feet west from Union street.
Orchard street, 107 feet west from Dover street.
Otis street, 127 feet west from Cross street.
Packard avenue, 55 feet southwest from Powder House boulevard.
Paulina street, 26 feet east from Holland street.
Pearl street, 28 feet east from Myrtle street.
Pleasant avenue, 104 feet west from Walnut street.
Putnam street, 96 feet north from Summer street.
School street, 116 feet south from Broadway.
School street, 50 feet north from Berkeley street.
Shawmut street, 74 feet north from Shawmut place.
Somerville avenue, 175 feet east from Fitchburg R. R. crossing.
Somerville avenue, 246 feet east from Poplar street.
Somerville avenue, 89 feet east from Mystic street.
Somerville avenue, 119 feet west from School street.
Somerville avenue, 92 feet west from Kent street.
Somerville avenue, 120 feet west from Oak square.

Somerville avenue, 42 feet east from Mossland street.
 Summer street, 14 feet east from Belmont street.
 Summer street, 32 feet east from Cedar street.
 Summer street, 35 feet east from Cutter avenue.
 Sycamore street, 28 feet west from Medford street.
 Temple street, 124 feet south from Heath street.
 Tremont street, 120 feet south from Webster avenue.
 Tufts street, 114 feet east from Cross street.
 Vernon street, 45 feet west from Central street.
 Washington street, 96 feet west from Myrtle street.
 Washington street, 7 feet west from Boston street.
 Washington street, 34 feet west from Union square.
 Washington street, opposite Leland street.
 Wheatland street, 30 feet south from Mystic avenue.

Locations of Drinking Fountains.

Belmont park	D
Broadway, opposite park, near Winthrop avenue .	H
Union square, junction Somerville avenue and Washington street	H
Union square, in front of Hill building	D I
Lincoln park	D
Gilman square	H
Gilman square	D I
Cutter square	C
Davis square, in front of Medina building	D I
Teele square	H

H, horse trough; D, drinking fountain; I, ice water; C, combination trough and drinking fountain.

GATES—RECAPITULATION.

GATES.	1¼"	1½"	2"	3"	4"	6"	8"	10"	12"	Total.
Set	—	—	1	—	1	6	6	1	3	18
Removed	—	—	—	—	—	—	—	—	—	0

Net increase in number of gates in 1906 18
 Total number of gates in the city December 31, 1906 . . 1,376

Hydrants—Renewal Account.

The following changes have been made in the kind and location of hydrants:—

Broadway, 6-inch Mathews hydrant, set 19 feet west from George street, and 6-inch Holyoke hydrant removed from same location.
 Elmwood street, 6-inch Mathews hydrant, set 85 feet west from Harrison street, and 4-inch Bigelow hydrant removed from same location.
 Medford street, 6-inch Corey hydrant, set 46 feet south from Thurston street, and 6-inch Coffin hydrant removed from same location.
 Medford street, 6-inch Mathews hydrant, set 46 feet south from Thurston street, and 6-inch Corey hydrant removed from same location.
 Medford street, 6-inch Mathews hydrant, set 6 feet north from Central street, and 6-inch Chapman hydrant removed from same location.
 Medford street, 6-inch Mathews hydrant, set 3 feet east from east line of Walnut street, and 6-inch Mathews hydrant removed from 19 feet east from east line of Walnut street.

Melrose street, 6-inch Holyoke hydrant, set opposite Hinckley Rendering Co., and 4-inch Boston Machine hydrant removed from same location.

Prescott street, 6-inch Pratt & Cady hydrant, set 586 feet south from Highland avenue, and 4-inch Holyoke hydrant removed from same location.

Hydrants — Construction Account.

New hydrants have been set in the following locations:—

Broadway, 15 feet west from City road, 6-inch Holyoke.

Hudson street, 10 feet west from west line of Lowell street, 6-inch Mathews.

Lesley avenue, 57 feet north from Highland avenue, 6-inch Chapman.

Lexington avenue, 244 feet west from west line of Cedar street, 6-inch Corey.

Lexington avenue, 200 feet east from east line of Hancock street, 6-inch Corey.

Lowden avenue, 8 feet south from south line of Mallett street, 6-inch Mathews.

Meacham road, 326 feet east from Lester terrace, 6-inch Holyoke.

Newberne street, 62 feet south from Morrison avenue, 6-inch Holyoke.

Packard avenue, 164 feet south from south line of Electric avenue, 6-inch Mathews.

Packard avenue, 34 feet north from north line of Electric avenue, 6-inch Mathews.

Packard avenue, 35 feet south from south line of Powder-house boulevard, 6-inch Mathews.

Skilton avenue, on east entrance, 173 feet south from south line of Pearl street, 6-inch Mathews.

Somerville avenue, 81 feet south from north line of Squire's box mill, 6-inch Holyoke.

Wheatland street, 73 feet north from north line of Derby street, 6-inch Holyoke.

Willow avenue, 85 feet south from south line of Frederick avenue, 6-inch Mathews.

Willow avenue, 171 feet north from north line of Frederick avenue, 6-inch Mathews.

Winslow avenue, 224 feet east from east line of Grove street, 6-inch Chapman.

Gates — Construction Account.

New gates have been set in the following locations:—

Bay State avenue, 8-inch gate, 13 feet 4 inches out from east line, on north line of Kidder avenue.

Bay State avenue, 8-inch gate, 13 feet 4 inches out from east line, on south line of Kidder avenue.

Bay State avenue, 8-inch gate, 13 feet 4 inches out from east line, on north line of Fosket street.

Bromfield road, 8-inch gate, 13 feet 4 inches out from west line, on north line of Warner street.

Bromfield road, 8-inch gate, 13 feet 4 inches out from west line, on south line of Dearborn road.

Buckingham street, 4-inch gate, 13 feet east from west line, and 1 foot north from south line of Dimick street.

Dimick street, 6-inch gate, 13 feet 4 inches out from south line, on east line of Buckingham street.

Dover street, 2-inch gate, 13 feet 6 inches out from south line, on west line of Orchard street.

Jasper street, 6-inch gate, 13 feet 4 inches out from west line, on north line of Gilman street.

- Kidder avenue, 10-inch gate, 13 feet 4 inches out from north line, on west line of Willow avenue.
- Lowden avenue, 8-inch gate, 13 feet 4 inches out from east line, on north line of Kidder avenue.
- Newberne street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Morrison avenue.
- Somerville avenue, 6-inch gate, on branch of hydrant, 27 feet out from east line and 81 feet south from north line of J. P. Squire's box mill.
- Somerville avenue, 12-inch gate, 25 feet out from east line and 12 feet north from north line of house No. 49.
- Somerville avenue, 12-inch gate, 25 feet out from east line and 3 feet north from north line of house No. 49.
- Sydney street, 6-inch gate, 13 feet 4 inches out from south line, on west line of Grant street.
- Veazie street, 6-inch gate, 13 feet 4 inches out from north line, on east line of Marshall street.
- Willow avenue, 12-inch gate, 16 feet 8 inches out from east line, on north line of Frederick avenue.

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1906.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

- Population by census of 1905, 69,272.
- Date of construction: commenced in 1868.
- By whom owned: City of Somerville.
- Source of supply: Metropolitan water system.
- Mode of supply: water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date, 71,000.
2. Estimated population on lines of pipe, 71,000.
3. Estimated population supplied, 71,000.
4. Total consumption for the year, 2,248,741,000 gallons.
7. Average daily consumption, 6,301,000 gallons.
8. Gallons per day to each inhabitant, 89.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

MAINS.

1. Kind of pipe, cast-iron.
2. Sizes, from 4-inch to 20-inch.
3. Extended 5,369 feet during year.
5. Total now in use, 91.3 miles.
6. Cost of repairs per mile, \$.86.
7. Number of leaks per mile, .09.
9. Number of hydrants added during year (public and private), 17.
10. Number of hydrants (public and private) now in use, 1,067.
11. Number of stop gates added during year, 18.
12. Number of stop gates now in use, 1,376.
14. Number of blow-offs, 136.
15. Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

16. Kind of pipe: Lead; wrought iron—lead-lined; wrought iron—cement-lined; cast-iron.
17. Sizes, one-half to six inches.
18. Extended 8,520 feet.
20. Total now in use, 74.05 miles.
21. Number of service taps added during the year, 210.
22. Number now in use, 11,489.
24. Average cost of service for the year, \$21.13.
25. Number of meters added, 768; discontinued, 30.
26. Number now in use, 2,829.
27. Percentage of services metered, 24.55.
28. Percentage of receipts from metered water, 40.87.
29. Number of motors and elevators added, 0.
30. Number now in use, 9 (included in number of meters).

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
A. Fixture rates	\$133,886 92	AA. Operation (management and repairs)	\$27,946 76
B. Meter rates	92,533 42		
C. Total from consumers	\$226,420 34	BB. Special:—	
M. From other sources:—		Miscellaneous accounts	3,150 01
Metropolitan Water Works			
Water service assessments	\$ 800 30	CC. Total maintenance	\$31,096 77
Costs for non-payment	3,929 80	DD. Interest on bonds	3,935 06
Labor and materials sold	45 00	EE. Payment of bonds	16,000 00
	3,105 01		
		Water Works Construction:—	
		GG. Extension of mains	\$8,136 78
		HH. Extension of services	4,724 12
		II. Extension of meters	6,334 96
		KK. Total construction	\$19,195 86
		LL. Unclassified expenses:—	
		Metropolitan water assessment	97,160 08
		Refunds to consumers	5 10
		MM. Balance:—	
		(aa) Ordinary	66,907 64
		Total balance	
N. Total	\$234,300 45	N. Total	\$66,907 64
			\$234,300 45

Disposition of balance: applied to other municipal purposes.

O. Cost of works to date \$874,698 99

P. Bonded debt at date 86,000 00

R. Average rate of interest, 4 per cent.

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF OF FIRE DEPARTMENT, }
February 13, 1907.

To His Honor, the Mayor, and Board of Aldermen:—

Gentlemen,—I herewith present to you the annual report of the fire department for the year ending December 31, 1906.

Fire Alarms.

Number of bell alarms	204
Number of still alarms	133
Total alarms	337
Thirty-four of the bell alarms were false.	

Value.	Loss.	Insurance.
Value of buildings at risk		\$361,950 00
Damage to buildings		28,404 44
Insurance on buildings		272,750 00
Value of contents		157,940 00
Damage to contents		20,182 25
Insurance on contents		111,575 00
Total value of risks		519,890 00
Total damage		48,586 69
Total insurance		384,325 00

Manual Force.

The manual force of the department consists of thirty-seven permanent men and eighty call men; total, 117, divided as follows:—

Chief engineer	1
Assistant engineer	1
Three engine companies	40
Two hook and ladder companies	27
Three hose companies	28
Two combination chemical and hose companies	16
One chemical engine company	3
One chief's driver	1
Total number of men	117

Apparatus in Service.

Steam fire engines	3
Two hook and ladder trucks	2
Chemical engines	1
Combination chemical and hose	2
Hose wagons	6

Apparatus in Reserve.

One combination ladder and chemical truck	1
One plain ladder truck	1
Two hose reels	2

Horses.

The number of horses owned and maintained, forty-one.

The apparatus is in good condition, except engine No. 4, which is now being rebuilt.

Recommendations.

I recommend that six permanent men be added to the manual force.

That a steam fire engine be placed in the Clarendon-hill fire station.

That a chemical and a steam fire engine be placed in the Union-square fire station.

That a tower ladder truck be placed in the Union-square fire station, to take the place of the village truck now there. The ladders now in use are not of sufficient length to reach the top of many high buildings.

As a partial preventative of giving false alarms of fire, I recommend that keyless doors be placed on fire alarm boxes.

The Legislature of 1905 passed an act to authorize cities and towns to establish a municipal building fund. A copy of the act is herewith presented, and I recommend its acceptance by the city government.

An Act to Authorize Cities and Towns to Establish Municipal Building Insurance Funds.

Be it enacted, etc., as follows:—

Section 1. Any city or town which accepts the provisions of this act may establish and maintain a municipal building insurance fund, from which any municipal buildings or other property damaged or destroyed by fire, lightning or otherwise, may be repaired, rebuilt or replaced by other buildings or property to be used in lieu thereof.

Section 2. Any such city or town may raise money for the purposes of this act, not exceeding in amount in any one year one twentieth of one per cent. of its assessed valuation; but no money shall be raised for such purpose while the amount of the fund equals or exceeds one per cent. of such valuation.

Section 3. The fund established under this act by any city or town shall be managed and administered as provided in section fifteen of chapter twenty-seven of the Revised Laws, by the sinking fund commissioners thereof, if such there be, or by any municipal board of commissioners or trustees having charge of its trust or sinking funds; and if in any such city or town such commissioners or trustees have not been established sinking fund commissioners shall be elected in the manner provided in section fourteen of chapter twenty-seven of the Revised laws.

Section 4. This act may be accepted by any city by a concurrent vote of both branches of the city council, and by any town by a majority of

the voters present and voting thereon at a meeting duly called for that purpose.

Section 5. This act shall take effect upon its passage.

Approved March 17, 1905.

Chapter 191. Acts and Resolves for 1905.

The school buildings are unoccupied a large portion of the year. A fire that begins in a vacant building usually becomes of large proportions when it is discovered. The value of the public buildings and contents is about \$2,000,000, and none of them are insured.

In the month of August the National Board of Underwriters requested that their representative be privileged to examine appliances of the fire department used in extinguishing fires. They were furnished every facility to test the apparatus, including the engines and the fire alarm telegraph.

They have made a report in which they ask that the call force of firemen be discontinued, and a permanent force be employed in its place. The latter proposition if put into operation would increase the salaries paid to firemen \$60,000. While the terms suggested by the underwriters may be desirable from their point of view, they are not a necessity.

The problem of greater security against fire is not wholly solved by adding to the fire extinguishing force, either in men or apparatus, but rather in erecting buildings that are slow to catch fire, and that will reasonably resist fire.

If the great insurance interests sincerely desire to do something practicable to prevent the fire waste, they should make a reduction in the rate of insurance to the owners of the buildings, who will place metallic gutters and non-inflammable roofs upon them. The shingle roof is a menace to the city in time of fire, and they are also a menace to the pecuniary interests of the insurance companies. Underwriters should hold out some inducement to have them discontinued.

The establishing of fire limits, within which no building can be erected unless the outer walls and the roof are made of some non-inflammable material, would be of great help to the firemen in bringing a conflagration under control.

Causes of Bell Alarms.

Accidental	3
Boiling over of fat	1
Burglar burning matches	1
Blue-flame oil stove	2
Breaking gas fixture	2
Burning rubbish	3
Boys and matches	5
Children playing with matches	11
Clothing hanging over stove	2
Curtain in contact with gas jet	5

Chimney fire	7
Candle left burning in chair	1
Cigarette smoking on lounge	2
Clothing in contact with lamp	2
Cars off track run into switchhouse	1
Combustion	4
Can Albany grease on furnace	1
Candle on Christmas tree in contact	1
Children lighting papers from stove	2
Dropping lighted match	1
Dog upsetting lamp	1
Defective chimney	2
Defective chimney flue	2
Defective stove pipe	1
Draperies in contact with candle	1
Dust and shavings in furnace pipe	1
Electric car	5
Elevated wires under bridge	1
Electric wires	3
Electric switch box	1
Fumigating	2
Fire crackers	2
Fire in Boston	1
Fire in Cambridge	2
Fire in dump	8
False alarms	34
Grass fire	5
Heat from fire	1
Hot ashes	5
Incendiary	9
Kerosene lamp overturned	4
Kerosene lamp explosion	2
Kettle tar fire	1
Light mistaken for fire	1
Lighting matches to get oil	1
Lightning	1
Lighted cigar in waste basket	1
Lighted cigar in waste barrel	3
Lighted cigar on awning	1
Mattress in yard	1
Match in waste basket	1
Oil stove	2
Overheated furnace	2
Plumbers' furnace	1
Pipe left lighted in coat	1
Painter's torch	1
Pipe smoking on lounge	4
Rats and matches	3
Rags thrown under sink	2
Smoke thought to be fire	1
Spark from machine	1
Spark from chimney	8
Spark from stove	1
Spark from railroad	6
Smoke from peanut roaster	1
Snap match	3
Thawing water pipe	3
Unknown	3

Roster of Department.

James R. Hopkins	.	.	.	Chief Engineer	.	.	.	27 Summit ave
Edward W. Ring	.	.	.	Assistant Engineer	.	.	.	Medford st.

ENGINE COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Wilfred Young,	Aug. 7, 1874,	Captain,	Fireman,	Highland ave.
Frank Langer,	July 4, 1854,	Lieutenant,	Wood Moulder,	Trull st.
John W. Bartlett,	Feb. 22, 1862,	Engineman,	Fireman,	Lowell st.
Percival L. Lowell,	July 1, 1877,	Asst. Engineman,	Fireman,	Marshall st.
Frank R. Rametti,	Dec. 26, 1873,	Driver,	Fireman,	Avon st.
Lyle Sterling,	Feb. 28, 1867,	Driver,	Fireman,	Summer st.
Fred S. Young,	Feb. 1, 1867,	Hoseman,	Water Dept.,	Oxford st.
Oscar J. Lingley,	April 5, 1860,	Hoseman,	Milkman,	Avon st.
Benjamin F. Johnson,	Nov. 20, 1864,	Hoseman,	R. R. Yard Man,	Medford st.
Sewall M. Rich,	Nov. 6, 1866,	Hoseman,	Merchant,	Medford st.
Joseph W. Mess,	Sept. 25, 1863,	Hoseman,	Milkman,	Chester ave.
Everett W. Bray,	Feb. 17, 1872,	Hoseman,	Prov. Clerk,	Alston st.

ENGINE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Benjamin H. Pond,	Oct. 25, 1867,	Captain,	Fireman,	Columbus ave.
Lewis E. Seymour,	March 25, 1873,	{ Lieutenant, Driver,	Fireman,	New Cross st.
Clarence V. Cook,	Oct. 1, 1858,	Engineman,	Fireman,	Maple ave.
Walter H. Young,	Dec. 25, 1869,	Asst. Engineman,	Fireman,	Fountain ave.
Charles Spike,	Feb. 8, 1875,	Driver,	Fireman,	Grant st.
Robert Geaton,	Feb. 22, 1861,	Hoseman,	Painter,	Bradley st.
Cornelius A. Doherty,	April 30, 1873,	Hoseman,	Milk Dealer,	Cross st.
Edward W. Burgess,	Aug. 3, 1859,	Hoseman,	Vegetable Dealer,	Otis st.
Frederick W. Kimball,	Aug. 11, 1866,	Hoseman,	Woodworker,	Brook st.
Charles T. Garland,	Nov. 15, 1871,	Hoseman,	Coal Dealer,	Pearl st.
Thomas E. Nagle,	Nov. 7, 1869,	Hoseman,	Teamster,	Oliver st.
Robert F. Garland,	June 23, 1866,	Hoseman,	Laundryman,	Cross st.
Charles M. Craig,	Nov. 4, 1878,	Hoseman,	Teamster,	Highland ave.
David L. Stevens,	March 17, 1873,	Hoseman,	Blacksmith,	Brook st.

ENGINE COMPANY NO. 4.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
John Gillooly,	June 9, 1856,	Captain,	Fireman,	Winslow ave.
Danforth S. Steele,	Sept. 9, 1850,	Lieutenant,	Foreman,	Leslie pl.
Lindorf D. Bixby,	Jan. 31, 1841,	Engineman,	Fireman,	Highland ave.
George H. Crosby,	Sept. 14, 1881,	Asst. Engineman,	Fireman,	Cross st.
Charles F. Hathaway,	Feb. 11, 1876,	Driver,	Fireman,	Grove st.
Robert W. Jesson,	May 10, 1873,	Driver,	Fireman,	Pitman st.
John F. Berton,	Feb. 14, 1857,	Hoseman,	Painter,	College ave.
James I. King,	March 30, 1865,	Hoseman,	Painter,	Elm ct.
Eugene H. Jones,	June 17, 1864,	Hoseman,	Lineman,	Morrison ave.
John B. Rufer,	March 16, 1869,	Hoseman,	Blacksmith,	Chandler st.
George H. Keay,	Sept. 23, 1868,	Hoseman,	Fish Dealer,	Winslow ave.

HOSE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Francis W. Ring,	Aug. 7, 1854,	Captain,	Fireman,	Wheatland st.
Charles H. Timson,	May 27, 1859,	Lieutenant,	Fireman,	Highland ave.
Daniel R. Spike,	March 22, 1844,	Hoseman,	Janitor,	Marshall st.
Harry V. Spike,	Aug. 2, 1874,	Hoseman,	Clerk,	Grant st.
Charles A. Woodbury,	Jan. 31, 1859,	Hoseman,	Milk Dealer,	Sargent ave.
Frederic E. Cushing,	Dec. 20, 1845,	Hoseman,	Painter,	Marshall st.
Benjamin Marble,	May 1, 1870,	Hoseman,	Fish Dealer,	Sargent ave.
J. Walter Holmes,	Sept. 8, 1875,	Hoseman,	Victualler,	Marshall st.
Charles P. Fowler,	May 24, 1879,	Hoseman,	Clerk,	Hamlet st.
Fred E. Knowles,	Jan. 14, 1878,	Hoseman,	Milk Dealer,	Jaques st.

HOSE COMPANY NO. 3.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Henry J. Turner,	Feb. 24, 1865,	Captain,	Fireman,	Somerville ave.
Alfred R. Higgins,	Feb. 25, 1849,	Lieutenant,	Park Laborer,	Prospect st.
Joseph F. Green,	Aug. 9, 1878,	Driver,	Fireman,	Mystic st.
Thomas W. Joy,	Feb. 22, 1856,	Hoseman,	Cooper,	Hawkins st.
Edward A. Parker,	Oct. 29, 1851,	Hoseman,	Park Laborer,	Prescott st.
Francis S. Brown,	Feb. 4, 1845,	Hoseman,	Watchman,	Columbus ave.
Walter J. Green,	Oct. 25, 1868,	Hoseman,	Florist,	Somerville ave.
Peter J. Kelley,	March 29, 1879,	Hoseman,	Teamster,	Fountain ave.
Thomas L. Deegan,	Oct. 15, 1877,	Hoseman,	Blacksmith,	Mystic st.

HOSE COMPANY NO. 5.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edwin F. Trefren,	March 28, 1858,	Captain,	Fireman,	Lowell st.
Harry F. Bucknam,	Sept. 21, 1872,	Lieutenant,	Fireman,	Highland ave.
William J. Blaisdell,	May 16, 1846,	Hoseman,	Painter,	Summer st.
Martin E. Driscoll,	Dec. 21, 1872,	Hoseman,	Painter,	Miller st.
Horace L. Dunklee,	Dec. 12, 1854,	Hoseman,	Fireman,	Somerville ave.
George R. Green,	Feb. 27, 1866,	Hoseman,	Florist,	Somerville ave.
Albert F. McGrath,	July 14, 1877,	Hoseman,	Butcher,	Elm place.
Frederick G. Jones,	Nov. 26, 1866,	Hoseman,	Patrol Driver,	Somerville ave.
Adam H. Gibby, Jr.,	Sept. 2, 1874,	Hoseman,	Electrician,	Summer st.

HOSE AND CHEMICAL COMPANY NO. 6.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Joseph A. Cribby,	Aug. 22, 1864,	Captain,	Fireman,	Newbury st.
Arthur M. Gilman,	Aug. 19, 1866,	Lieutenant,	Fireman,	College ave.
Elmer C. Shiere,	Apr. 29, 1878,	Driver,	Fireman,	Elm st.
Charles H. Bridges,	Nov. 29, 1848,	Hoseman,	Machinist,	Westminster st.
Homer A. White,	July 27, 1865,	Hoseman,	Painter,	Newbury st.
William Stern,	Sept. 19, 1873,	Hoseman,	Paperhanger,	Newbury st.

HOSE AND CHEMICAL COMPANY NO. 7.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
George W. Bridges,	March 22, 1876,	Lieutenant,	Fireman,	Newbury st.
Arthur C. Sellon,	July 16, 1863,	Driver,	Fireman,	Hancock st.
George R. Dale,	June 22, 1871,	Hoseman,	Fireman,	Josephine ave.
Harry G. White,	June 14, 1870,	Hoseman,	Electrician,	Hudson st.
Charles W. Hughes,	March 26, 1876,	Hoseman,	Painter,	Highland ave.
Alfred M. Pride,	Apr. 6, 1869,	Hoseman,	Carpenter,	Hudson st.
William P. Young,	Jan. 24, 1877,	Hoseman,	Plumber,	Cedar st.
Frederick L. Jensen,	July 2, 1872,	Hoseman,	Painter,	Highland ave.

CHEMICAL A.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Frank L. Draper	July 31, 1852,	Lieutenant,	Fireman,	Chester Ave.
George F. Bixby	March 27, 1869,	Driver,	Fireman,	Highland Ave.
John T. Coneeny	Nov. 2, 1876,	Operator,	Fireman,	Ellsworth st.

HOOK AND LADDER COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Melvin B. Ricker,	Aug. 30, 1841,	Captain,	Fireman,	Prospect st.
Herbert L. Webber,	Nov. 9, 1869,	Lieutenant,	Painter,	Columbus ave.
Richard F. Clarkson,	May 18, 1859,	Driver,	Fireman,	Homer sq.
Joseph A. Sander,	Apr. 28, 1868,	Fireman,	Fireman,	Grove st.
William A. McLane,	Jan. 7, 1860,	Ladderman,	Engineer,	Clark st.
Patrick J. Follon,	March 3, 1859,	Ladderman,	Laborer,	School st.
James D. Perkins,	Nov. 25, 1858,	Ladderman,	Paperhanger,	Bow st. pl.
James E. Thompson,	Sept. 1, 1869,	Ladderman,	Laborer,	Broadway
John H. Ford,	July 16, 1859,	Ladderman,	Painter,	Oak st.
Frank H. Eaton,	Feb. 1, 1855,	Ladderman,	Laborer,	Prospect pl.
John H. Foy,	May 16, 1867,	Ladderman,	Painter,	Somerville ave.
Charles M. Davis,	Dec. 5, 1878,	Ladderman,	Mason,	Washington st.
George A. Row,	Jan. 19, 1867,	Ladderman,	Teamster,	Somerville ave.
Israel Y. Hall,	June 24, 1878,	Ladderman,	Laborer,	Homer sq.

HOOK AND LADDER COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Horace W. Hutchins,	Aug. 26, 1866,	Captain,	Fireman,	Hancock st.
Charles E. Shaw,	Oct. 13, 1857,	Lieutenant,	Paperhanger,	Eastman rd.
John E. Hill,	Dec. 25, 1845,	Ladderman,	Salesman,	Cherry st.
Clarence T. Conant,	Dec. 10, 1868,	Ladderman,	Milkman,	Hudson st.
William J. Kennedy,	March 19, 1863,	Ladderman,	Plumber,	Woodbine st.
LeBaron Emery,	May 11, 1859,	Ladderman,	Painter,	Alpine st.
John H. Givan,	June 9, 1865,	Ladderman,	Grocer,	Highland ave.
Charles F. Mills,	Aug. 26, 1876,	Ladderman,	Carpenter,	Alpine st.
Joseph E. Emery,	Aug. 2, 1870,	Ladderman,	Painter,	Alpine st.
David B. Nixon,	March 4, 1869,	Ladderman,	Painter,	Cedar st.
James A. Butler,	Oct. 29, 1881,	Ladderman,	Clerk,	Lowell st.
George A. Givan,	Oct. 8, 1863,	Ladderman,	Clerk,	Eastman rd.
Walter H. Thomas,	Nov. 12, 1850,	Ladderman,	Janitor,	Highland ave.

SUBSTITUTES.

Charles J. McNamara,	William L. Larson,	Joseph G. Haney,
Walter J. Fuller,	Eugene L. Russell.	

Respectfully submitted,

JAMES R. HOPKINS,
Chief Engineer, Fire Department.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF THE CHIEF OF POLICE, }
January 1, 1907. }

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

Gentlemen,—I respectfully submit a report of the doings of the police department for the year ending December 31, 1906, with suggestions and recommendations for your consideration:—

Arrests.

Whole number of arrests made	1,774
Americans	905
Foreign born	869
	<hr/> 1,774
Males	1,684
Females	90
	<hr/> 1,774
Residents	1,091
Non-residents	683
	<hr/> 1,774

of which 1,359 were confined in the lockup.

Arrests for crimes against the person as follows:—

Abandoning child	1
Assault and battery	131
Assault felonious	6
Murder	1
Threats	11
	<hr/> 150

Crimes against property:—

Arson	3
Breaking and entering buildings	59
Burning a building to defraud insurance company	1
Fraud	9
Larceny	112
Malicious mischief	19
Receiving stolen goods	13
Trespass	8
	<hr/> 224

Crimes against good order:—

Bastardy	9
Carrying weapons	4
Conspiracy	9
Contempt of court	4
Disturbing the peace	54
Drunkenness	943
	<hr/>

Amount carried forward 1,023

Amount brought forward	1,023
Evading railroad fare	1
Forgery	2
Keeping for sale adulterated food	18
Keeping unlicensed dog	2
Neglected children	3
Neglect to support family	37
Peddling without license	2
Perjury	1
Polygamy	1
Profanity	1
Practicing veterinary medicine	1
Stubbornness	10
Vagrancy	17
Violating automobile laws	4
Violating city ordinances	135
Violating health laws	3
Violating liquor laws	18
Violating Lord's day	77
Walking on railroad track	14
	<hr/> 1,370
	<hr/> 1,744

Miscellaneous Reports.

Buildings found open and secured	629
Defective streets reported	472
Obstructions in streets reported	96
Larcenies reported	268
Amount reported stolen	\$7,811
Water pipes reported leaking	57
Number of street light reports	2,224

Police Signal, Patrol Wagon, and Ambulance Service.

Number of on duty reports made by the patrolmen	233,612
Number of wagon runs	1,156
Number of prisoners conveyed in wagon	1,265
Number of miles run by wagon	1,718
Number of telephone calls	11,182
Number of ambulance calls responded to	353

Suggestions and Recommendations.

I renew my recommendation of last year, to equip this department with an automobile, and I am more than ever satisfied that with such an addition a very much better record of arrests for crimes of an aggravated nature could be made by the department.

I am also satisfied of the need of a sub-police station in ward seven, as recommended last year, but if a combination gasoline automobile patrol wagon and ambulance similar to the one used by the city of Springfield (Mass.) police department can be installed in the service of this department and located in said ward, it would answer many of the calls and be a great relief to the teams now used until a station is erected. Ambulance service is in great demand, as you will see by the miscellaneous re-

ports. The cost of maintenance of the new one suggested would be much less than to supply horses and continually feed them.

Intoxicating Liquors and Licenses.

The illegal traffic in intoxicating liquors has been looked after by the police with some considerable success during the year; search warrants have been served, and where liquors were found, prosecutions have followed. There are thirty-three druggists and forty expressmen licensed to engage in the traffic of intoxicating liquors.

There are also thirty-seven junk and old rag dealers licensed to cry their calling in and through the streets.

Persons licensed as above quite often abuse their authority, and it appears to me that licenses to engage in such business should only be given to persons of known good character. All such persons are by the laws under police surveillance, and the authorities granting such licenses should co-operate with the police.

In General.

At the beginning of the year the mayor very candidly said he would be responsible to the citizens of Somerville for the management and efficiency of this department; later on he met the entire force assembled for inspection and instruction; the latter we got in earnest and to the point, but the management was not changed. I am held responsible to the mayor for the conduct and management of the department. I hope the result of our conduct and work will merit brief mention in the mayor's next inaugural address.

The force was increased May 17 by the appointment of eight more patrolmen, making the total number of the department seventy-two in rank and file (see official roster). March 23 Patrolman John E. Fuller was retired upon a pension, and Charles E. Byrnes resigned to accept a position upon the Massachusetts district police.

Frederick J. Balcom died June 17, 1906.

In Memoriam

Frederick J. Balcom,

Died June 17, 1906.

Official Roster of Department.

MELVILLE C. PARKHURST, Chief.

Robert R. Perry, Captain.	Dennis Kelley, Lieutenant.
Eugene A. Carter, Lieutenant.	Charles E. Woodman, Lieutenant.
Edward McGarr, Sergeant.	George H. Carleton, Sergeant.
Eugene H. Gammon, Sergeant.	James M. Harmon, Sergeant.
Thomas Damery, Inspector.	

PATROLMEN.

Allen, Charles W.	Howard, Ernest
Allen, Harry L.	Howe, Hudson M.
Arnold, Louis F.	Johnston, Charles S.
Blair, Robert T.	Johnston, William H.
Bolton, David A.	Keane, Edmund J.
Burns, Samuel	Kennedy, Michael T.
Carleton, Ira S.	Lewis, Sanford S.
Carter, Edward M.	Lynch, James M.
Chisholm, Jotham	McNamara, Thomas F.
Crossman, Claude L.	Neylon, Denis
Cummings, John J.	Perkins, Francis A.
Dadmun, John A.	Peters, George A. C.
Davidson, William J.	Phillips, James E.
Davies, Edward M.	Pollard, James J.
Dodge, Ezra A.	Ray, John A.
Downey, Denis	Reick, Charles W.
Drew, Elmer E.	Rice, George L.
Fuller, Harvey R.	Sharry, Martin
Gilson, Henry Y.	Simons, Daniel G.
Goff, Ernest S.	Simons, Lemuel J.
Googins, Frederick H.	Skinner, Jacob W.
Gott, Myron S.	Smith, George L.
Graves, Frank H.	Stevens, Charles W.
Heron, Theodore E.	Sudbey, Henry A.
Hilton, Herbert	Sutherland, William J.
Hopkins, Frank C.	Woodsum, Eugene A.

RESERVE POLICE FORCE.

Burns, Joseph J.	Belzarini, Louis J.
Doolin, Patrick J.	Groves, Walter L.
Hanna, David J.	Hopkins, Edward J.
Jones, Frederick G.	Kenney, William G.
Mulqueeney, Dennis G.	Reed, Walter

In conclusion, I wish to thank the Honorable Charles A. Grimmons, mayor, and the board of aldermen for their support during the year.

To the officers and other subordinates of this department, I also extend my heartfelt thanks for their efficiency and manifest harmonious co-operation.

Respectfully submitted,

MELVILLE C. PARKHURST,

Chief of Police.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
City Hall Annex, Somerville, January 5, 1907. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1906 is respectfully submitted:—

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice by advertisement, or by posting, in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures or balances for the purpose of selling goods, wares, merchandise or other commodities or for public weighing, to bring in their weights, measures and balances to be adjusted and sealed. Such sealers shall attend in one or more convenient places, and shall adjust, seal and record all weights, measures and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurers, shall receive a fee of one dollar for sealing each platform balance if weighing five thousand pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams or balances. He shall also have a reasonable compensation for all necessary repairs, alterations and adjustments made by him.

Where weights, measures and balances are sealed as provided in Section 21 (that is, brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal in March, 1906.

During the year the sealer visited all places in the city where goods were bought or sold, tested all scales, weights and measures, sealed those which were found correct, and condemned all found beyond repair and useless.

One hundred and seventy-four scales, weights and measures were adjusted before sealing, eleven were tagged for repairs, three of which were repaired as ordered, and the remaining eight put out of use.

This department has increased from 6,896 tests in 1896 to 119,209 tests in 1906, being an average of about 400 tests per day for the year 1906. Besides this, the books and accounts must be kept. Very soon a deputy sealer will have to be appointed, as this office should be open every day. Under present conditions, the office is closed during four days in each week for about six months each year, the sealer being at work in the stores and streets looking after pedlars and junk collectors.

Work done in weights and measures during the year 1906 :—

	No. of Tests in the Office.	No. of Tests Outside of Office.	Total No. of Tests in and Outside of Office.
Number of scales sealed	252	1,211	
Number of weights sealed	234	3,873	
Number of dry measures sealed	618	1,115	
Number of tin liquid measures sealed	560	1,420	
Number of glass jars sealed	104,324		
Number of yard sticks sealed		131	
Number of coal baskets sealed	10	1	
Total number of all kinds sealed	105,998	7,751	113,749
Number of scales adjusted and sealed	52	83	
Number of weights adjusted and sealed	5	27	
Number of dry measures adjusted and sealed	2	1	
Number of liquid measures adjusted and sealed	3	1	
Total number adjusted and sealed	62	112	174
Number of scales tagged for repairs	4	7	
Number of scales repaired as ordered	2	1	
Total number tagged and repaired	6	8	
Number of scales condemned	5	2	
Number of dry measures condemned	12	50	
Number of liquid measures condemned	5,193	7	
Number of yard sticks condemned		3	
Total number condemned	5,210	62	5,272
	111,276	7,933	
Total number tested in and out of office			119,209

Expenditures for year 1906 :—

Printing books and supplies	\$51 87	
Amount paid for team	247 50	
Amount paid for helper	228 49	
Salary of sealer	1,000 00	
	<hr/>	
Total expenditures		\$1,527 86

Receipts for the year 1906 :—

Appropriation	\$1,050 00	
Received fees for scaling and adjusting	438 86	
	<hr/>	
		\$1,488 86
Deficiency		39 00
		<hr/>
		\$1,527 86

JOHN H. DUSSEAU,LT,

Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

Somerville, January 9, 1907.

To the Honorable, the Mayor, and Board of Aldermen of the City of Somerville:—

The following is my report as city solicitor for the year 1906:—

Abolition of Grade Crossings. Proceedings are now pending for the abolition of the five crossings of the Fitchburg division of the Boston & Maine railroad at Somerville avenue, Medford street, Webster avenue, Dane street and Park street, and the crossing at Somerville avenue of the Boston & Albany railroad company, now operated by the New York Central & Hudson River railroad company. The commissioners appointed by the superior court, George W. Wiggin, George F. Swain and William F. Dana, held two public hearings in the city hall early in the year and took a view of the crossings. Other public hearings have since been held by them in the Tremont building, Boston, at which plans for the abolition of the crossings, prepared by the city engineer, were presented, with estimates of the probable expense. A public hearing was held by the board of aldermen in the city hall a few days ago, at which all persons were given an opportunity to make suggestions and to present objections to the plans of the city engineer. Another hearing has been arranged for, to be held this month by the commission in Boston. Owing to his appointment as a judge of the superior court, Mr. Dana resigned from the commission, and his place has been taken by James D. Colt, who was appointed by the court.

Lowell-street Bridge. Proceedings have been brought in behalf of the city in the superior court for the purpose of carrying out the decree of the county commissioners relative to a bridge over the main line of the Boston & Lowell railroad division of the Boston & Maine railroad. Two actions have been brought in the supreme court by the railroad companies for the purpose of setting aside the decrees of the county commissioners relative to bridges over the main line and the branch line. In the latter actions the commissioners are parties defendant, not the city, and they are represented by their own counsel, as well as by the city solicitor. It is probable that the trial of these actions will soon take place.

Other Cases in Court. Two land damage cases, arising out of the proposed laying out of Edmands street, have been settled, each for \$50, without costs.

Three highway accident cases have been settled for \$100, \$225 and \$325, respectively.

Three highway accident cases, brought originally in the Somerville police court, in which judgments after a trial were given in favor of the city, and the plaintiffs appealed to the superior court, have been disposed of by final judgments in favor of the city. One of the cases was voluntarily discontinued by the plaintiff, and the others were tried in the superior court.

A highway accident case, in which the plaintiff claimed \$10,000 for injuries received on Somerville avenue, was tried before a jury in the superior court and a verdict ordered in favor of the city.

A highway accident case for injuries received on Highland avenue at the tracks of the street railway company, brought in the superior court against the city, was settled, without expense to the city, by the company which had been notified to come in and defend.

An action brought in the superior court by the city of Everett, for the care of persons sick with smallpox, was settled for the same rate of charge collected by this city from other cities and towns in similar cases, being about one-half the original claim made by the plaintiff.

An action was brought in the superior court against the sheriff of Suffolk county in the name of James F. Beard, city treasurer and collector of taxes, to determine the right of a constable of Somerville to arrest on the tax collector's warrant a delinquent tax-payer in Boston, the keeper of the Charles-street jail, under the sheriff's orders, having declined to receive a person so arrested. The case was taken to the full bench of the supreme court, and a final decision was rendered in favor of the collector of taxes, sustaining the right of the constable to make the arrest.

An action for damages to property on Hall street, claimed to be due to the filling of a water course with ashes and other refuse by the health department, was argued in November before the full bench of the supreme court. The decision is as yet unknown.

At the general call of the law docket in the superior court for Middlesex county, ten cases pending for a long time against the city, most of them highway accident cases, were dismissed. At the same time, one case brought by the city, relating to taxes, a portion of which were collected after the suit was brought, was likewise dismissed.

Very respectfully,

FRANK W. KAAH,

City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 1, 1907.

To the honorable, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is respectfully submitted as the thirty-fifth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1906:—

The receipts and payments were as follows:—

Receipts.

Balance from year 1905, being for dog licenses issued in December, 1905:—		
3 males at \$2.00	\$6 00	
2 females at \$5.00	10 00	
	<hr/>	
	\$16 00	
Less city clerk's fees paid to the treasurer in December, 1905, 5 at \$.20 . . .	1 00	
	<hr/>	\$15 00
For dog licenses issued in 1906:—		
1,593 males at \$2.00	\$3,186 00	
302 females at \$5.00	1,510 00	
79 spayed at \$2.00	158 00	
3 breeders' licenses at \$25.00 . . .	75 00	
	<hr/>	\$4,929 00
Recording mortgages, assignments, etc., 820 papers	\$484 50	
Certificates of marriage intentions, 849 at \$50, and 1 duplicate	425 00	
Furnishing copies of records	49 00	
Licenses:—		
To collect junk, 37 at \$10.00	370 00	
For junk shop, 2 at \$25.00	50 00	
	<hr/>	
	\$420 00	
1 at \$10.00 paid back on 1905 account,	10 00	
	<hr/>	
	\$410 00	
For billiard and pool tables and bowling alleys, 15 licenses for 37 tables and 6 alleys, at \$2.00	86 00	
1 refused, money not called for . . .	2 00	
	<hr/>	
	\$88 00	
To private detectives, 2 at \$10.00 . . .	20 00	
	<hr/>	
Amounts carried forward	\$1,476 50	\$4,944 00

Amounts brought forward	\$1,476 50	\$4,944 00
To auctioneers, 25 at \$2.00	50 00	
To sell fireworks, 40 at \$1.00	40 00	
To keep intelligence offices, 8 at \$2.00	16 00	
For amusements, 22 at \$1.00	22 00	
To street musicians, 25 persons at \$.50, \$12 50		
4 persons at \$.50 paid back on 1905 account	2 00	
	<hr/>	
To slaughter, 7 at \$1.00	7 00	
To keep roller skating rink, 1 at \$25.00	25 00	
For merry-go-round, 1 license for 17 performances at \$1.00	17 00	
For small loans, 1 at \$25.00	25 00	
Recording and issuing liquor licenses, 32 at \$1.00	32 00	
Permits to transport liquors, 39 at \$1.00	39 00	
13 refused, money not called for	13 00	
	<hr/>	
	\$52 00	
Interest on deposits	13 81	
	<hr/>	
		1,786 81
Total receipts		<hr/>
		\$6,730 81

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1905, to November 30, 1906, both inclusive:—		
1,594 males at \$2.00	\$3,188 00	
302 females at \$5.00	1,510 00	
79 spayed at \$2.00	158 00	
3 breeders' licenses at \$25.00	75 00	
	<hr/>	
	\$4,931 00	
Less city clerk's fees, 1,978 at \$.20	395 60	
	<hr/>	
		4,535 40
To the city treasurer, monthly:—		
City clerk's fees for issuing and recording dog licenses, 1,977 at \$.20	\$395 40	
All the receipts above specified, except for dog licenses	1,786 81	
	<hr/>	
		2,182 21
Total payments		<hr/>
		\$6,717 61
Balance January 1, 1907, being for dog licenses issued in December, 1906:—		
2 males at \$2.00	\$4 00	
2 females at \$5.00	10 00	
	<hr/>	
	\$14 00	
Less city clerk's fees paid to the city treasurer, 4 at \$.20	80	
	<hr/>	
		\$13 20

Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, and issued without charge, as follows:—

Amusements, Somerville High School Athletic Association, ball games (fees remitted)	29
Auctioneers (to veterans of the Civil War)	3
Innholders	3
Common victuallers	57
Drain layers	12
Newsboys	268
Newsboys' licenses revoked	5
Junk collectors, to cry calling in streets	37
To cry goods in streets	25
Number in addition granted but not called for	6
To cry aloud in streets to announce calling:—	
Umbrella menders	3
Umbrella mender and locksmith	1
To ring bell in streets:—	
Ice cream venders	2
Number in addition granted but not called for	10
Scissors' sharpeners	6
Number in addition granted but not called for	1
To set up and use engines:—	
electric engines	7
gas engines	5
steam engines	4
To blast rock or stone	8
To maintain projections over sidewalks:—	
signs	19
bay windows	4
barbers' poles	2
flag pole	1
awnings	17
To set and maintain hitching post	1
To move buildings through streets	5
To keep lying-in hospital	1
To Somerville Fourth of July Association to use certain public grounds for the purpose of the celebration	1
To Salvation Army to parade, sing, and play on musical instruments in streets (fees remitted)	2
To hold open air meetings	2
To parade with bands in streets (fees remitted)	2
To locate stable eighteen inches from line of lot	1

Gas and Pole Locations.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been given the New England Telephone and Telegraph Company of Massachusetts and the Edison Electric Illuminating Company of Boston to erect poles for the support of wires in various streets.

In every case of such permission to use the streets a suita-

ble agreement for the protection of the interests of the city must be filed with the city clerk before the order can become operative.

Births.

Number of births (exclusive of still-births) in Somerville in 1906 registered	1,716
More than previous year	133
Males	866
Females	850
	<hr/>
	1,716
Born of American parents	617
Born of foreign parents	698
Born of American father and foreign mother	206
Born of foreign father and American mother	181
Born of American mother and father of unknown nationality	8
Born of foreign mother and father of unknown nationality	5
Born of parents of unknown nationality	1
	<hr/>
	1,716
Number of still-births in Somerville in 1906 registered	77
Number of births in other places in 1906 registered	182
	<hr/>
	1,975
Number reported by both canvasser and physician or midwife	1,412
Number reported by canvasser alone	292
Number reported by physician or midwife	172
Number reported by clerk or registrar of other place and canvasser	42
Number reported by clerk or registrar of other place, and physician	6
Number reported by clerk or registrar of other place, canvasser and physician	4
Number reported by clerk or registrar of other place	35
Number of still births taken from death records	12
	<hr/>
	1,975
Number of cases of twins	20

Marriages.

Number of intention certificates issued in 1906	849
More than previous year	122
Marriages registered	896
More than previous year	118
Both parties American	465
Both parties foreign	212
American groom and foreign bride	121
Foreign groom and American bride	98
	<hr/>
	896 couples
First marriage of	1,606
Second marriage of	178
Third marriage of	8
	<hr/>
	896 couples

Deaths.

(Exclusive of still-births.)

Number of deaths in Somerville in 1906	1,004
More than previous year	36
Males	481
Females	523
	<hr/> 1,004
Under ten years of age	292
10 and under 20 years of age	25
20 and under 30 years of age	60
30 and under 40 years of age	77
40 and under 50 years of age	74
50 and under 60 years of age	103
60 and under 70 years of age	154
70 and under 80 years of age	125
80 and under 90 years of age	83
90 years of age and over	11
	<hr/> 1,004
Age of oldest person deceased	94 yrs. 3 mos. 27 dys.
Born in Somerville	270
Born in other places in the United States	396
Of foreign birth	335
Birthplace unknown	3
	<hr/> 1,004
Number of deaths in January	85
" " February	75
" " March	88
" " April	95
" " May	75
" " June	69
" " July	65
" " August	84
" " September	101
" " October	98
" " November	85
" " December	84
	<hr/> 1,004

The number of still-births recorded during the year was seventy-seven. In addition to the above, 161 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

Licensing of Minors.

By an amendment of the law relative to the licensing of minors to engage in certain occupations, the power of granting licenses to minors under the age of fourteen years is vested in the school committee. In accordance with this law, no licenses are issued by the city clerk for newsboys or minors engaged in similar occupations who are under the age of fourteen, but upon attaining that age those who have been licensed by the school committee must, at once, make application to the board of aldermen if it is their desire to continue in such occupation.

Ward Seven Voting Precincts.

It would seem that early consideration should be given to the need of change in the voting precincts in ward seven. Section 162 of chapter 11 of the Revised Laws provides that "if a voting precinct shall, in any year,—contain more than one thousand voters, the aldermen shall—either divide such precinct into two or more voting precincts or shall make a new division of the ward into voting precincts—." There were 964 names of registered male voters upon the list for precinct two used at the last municipal election, only thirty-six less than the limit fixed by the provisions of the above section. If any action is to be taken in this matter the present year, it should be as early in the year as possible, as the work of many of the departments would be affected by any change of precinct lines.

Storage of Records.

The vault room for the storage of the records of this department has become inadequate and some relief from present conditions is imperative. During the last four months of the year the vault is nearly filled with boxes of ballots, voting lists, etc., used at primaries and elections, which it is required by law must be preserved for stated periods, and under present conditions this mass of matter must be frequently moved in getting at the many records of the department.

I would urge the immediate construction of a large storage vault for the use of this department.

FREDERIC W. COOK,
City Clerk.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, May 1, 1906.	REGISTERED VOTERS.							
			Nov. 23, 1905.	Re- vised Lists of Aug. 1, 1906.	Added in Sept. and Oct., 1906.	Oct. 17, 1906.	Added in Nov., 1906.	Nov. 21, 1906.	Voted Nov. 6, 1906.	Voted Dec. 11, 1906.
Ward 1 . .	Precinct 1 . . .	1,281	732	648	59	707	26	733	557	489
" 1 . .	" 2 . . .	556	329	303	29	332	18	350	267	243
" 1 . .	" 3 . . .	539	370	317	30	347	15	362	282	282
" 1 . .	" 4 . . .	677	401	345	25	370	19	389	316	316
		3,053	1,832	1,613	143	1,756	78	1,834	1,422	1,330
Ward 2 . .	Precinct 1 . . .	1,230	409	359	38	397	18	415	338	335
" 2 . .	" 2 . . .	1,350	564	480	59	539	19	558	446	391
" 2 . .	" 3 . . .	831	435	364	27	391	8	399	317	287
		3,411	1,408	1,203	124	1,327	45	1,372	1,101	1,013
Ward 3 . .	Precinct 1 . . .	960	668	606	57	663	8	671	552	454
" 3 . .	" 2 . . .	1,266	740	670	67	737	23	760	618	515
		2,226	1,408	1,276	124	1,400	31	1,431	1,170	1,009
Ward 4 . .	Precinct 1 . . .	1,258	801	723	62	785	7	792	640	531
" 4 . .	" 2 . . .	870	592	492	63	555	11	566	466	389
		2,128	1,393	1,215	125	1,340	18	1,358	1,106	920
Ward 5 . .	Precinct 1 . . .	1,237	805	733	72	805	31	836	693	574
" 5 . .	" 2 . . .	696	411	370	34	404	5	409	343	294
" 5 . .	" 3 . . .	912	478	430	62	492	22	514	431	378
		2,845	1,694	1,533	168	1,701	58	1,759	1,467	1,246
Ward 6 . .	Precinct 1 . . .	1,475	859	768	83	851	19	870	716	564
" 6 . .	" 2 . . .	1,152	675	581	77	658	9	667	539	404
" 6 . .	" 3 . . .	932	479	449	117	566	3	569	481	358
		3,559	2,013	1,798	277	2,075	31	2,106	1,736	1,326
Ward 7 . .	Precinct 1 . . .	1,218	688	649	89	738	9	747	625	463
" 7 . .	" 2 . . .	1,726	904	833	115	948	16	964	810	672
		2,944	1,592	1,482	204	1,686	25	1,711	1,435	1,135
City . . .	. . . . .	20,166	11,340	10,120	1,165	11,285	286	11,571	9,437	7,979

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 23, 1905.	Revised Lists of Aug. 1, 1906.	Added in Sept. and Oct., 1906.	October 17, 1906.	Added in Nov., 1906.	Nov. 21, 1906.	Voted Decem- ber 11, 1906.
Ward 1 . . .	Precinct 1 .	21	18	..	18	5	23	8
" 1 . . .	" 2 .	5	5	..	5	1	6	..
" 1 . . .	" 3 .	7	6	..	6	6	12	6
" 1 . . .	" 4 .	.	..	..	..	30	30	26
		33	29	..	29	42	71	40
Ward 2 . . .	Precinct 1 .	3	3	..	3	1	4	..
" 2 . . .	" 2 .	5	5	..	5	..	5	..
" 2 . . .	" 3 .	1	1	..	1	..	1	..
		9	9	..	9	1	10	..
Ward 3 . . .	Precinct 1 .	27	27	1	28	2	30	5
" 3 . . .	" 2 .	51	46	..	46	9	55	12
		78	73	1	74	11	85	17
Ward 4 . . .	Precinct 1 .	18	17	-1	16	1	17	4
" 4 . . .	" 2 .	20	19	..	19	..	19	2
		38	36	-1	35	1	36	6
Ward 5 . . .	Precinct 1 .	50	37	..	37	..	37	3
" 5 . . .	" 2 .	9	9	..	9	..	9	1
" 5 . . .	" 3 .	11	11	..	11	..	11	1
		70	57	..	57	..	57	5
Ward 6 . . .	Precinct 1 .	41	37	..	37	..	37	2
" 6 . . .	" 2 .	18	18	..	18	..	18	..
" 6 . . .	" 3 .	5	5	..	5	..	5	..
		64	60	..	60	..	60	2
Ward 7 . . .	Precinct 1 .	87	73	..	73	14	87	69
" 7 . . .	" 2 .	103	94	6	100	34	134	101
		190	167	6	173	48	221	170
City . . .	. . . . .	482	431	6	437	103	540	240

Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates for the various offices, at the state election held November 6, 1906:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
GOVERNOR.									
Gamaliel Bradford,	State Gov't Reform,	6	3	7	7	5	8	10	46
James F. Carey,	Socialist,	11	9	9	17	20	26	19	111
William H. Carroll,	Socialist Labor,	7	..	3	2	5	8	1	26
Curtis Guild, Jr.,	Republican,	743	269	838	800	936	1,123	1,041	5,750
John B. Moran,	Prohibition,	76	80	36	41	64	79	64	440
John B. Moran,	Ind. League,	119	147	80	99	142	156	131	874
John B. Moran,	Democratic,	394	529	163	110	255	293	145	1,889
John B. Moran,		40	42	10	10	25	19	7	153
Blank,		26	22	24	20	15	24	17	148
LIEUTENANT-GOVERNOR.									
E. Gerry Brown,	{ Independ. League,	656	786	322	283	507	608	361	3,523
	{ Democratic,								
Hervey S. Cowell,	Prohibition,	9	4	18	15	15	33	37	131
Eben S. Draper,	Republican,	650	226	769	741	855	976	956	5,173
Walter J. Hoar,	Socialist Labor,	9	7	6	10	15	16	12	75
John F. Mullen,	Socialist,	18	9	17	15	15	25	24	123
Eugene W. Foss,		....	....	....	....	1	....	...	1
Blank,		80	69	38	42	59	78	45	411
SECRETARY.									
Joao Claudino,	Socialist Labor,	11	7	3	5	14	13	8	61
Jonathan S. Lewis,	Prohibition,	16	3	7	17	10	20	31	104
Ambrose Miles,	Socialist,	16	22	17	24	29	35	22	165
William M. Olin,	Republican,	754	271	845	831	946	1,154	1,074	5,875
Charles C. Paine,	{ Independ. League,	498	660	229	171	384	397	227	2,566
	{ Democratic,								
Blank,		127	138	69	58	84	117	73	666
TREASURER.									
Arthur B. Chapin,	Republican,	752	273	848	824	943	1,159	1,083	5,882
George B. Cushman,	Socialist,	19	21	21	26	32	33	28	180
S. Frederick French,	Prohibition,	12	10	12	23	17	24	36	134
George M. Harrigan,	{ Independ. League,	483	654	207	160	372	378	182	2,436
	{ Democratic,								
David F. Richardson,	Socialist Labor,	7	7	2	8	12	9	20	65
Blank,		149	136	80	65	91	133	86	740
AUDITOR.									
Albert Barnes,	Socialist Labor,	14	13	3	4	10	14	7	65
Thomas L. Hisgen,	{ Independ. League,	496	646	233	179	387	391	227	2,559
	{ Democratic,								
Fred L. Johnson,	Socialist,	17	23	15	26	26	32	29	168
James F. Pease,	Prohibition,	19	3	12	23	14	24	25	120
Henry E. Turner,	Republican,	722	261	819	805	918	1,138	1,052	5,715
Blank,		154	155	88	69	112	137	95	810

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
ATTORNEY-GENERAL.									
Allen Coffin,	Prohibition,	22	9	15	34	24	42	41	187
Dana Malone,	Republican,	691	239	797	764	914	1,070	1,020	5,495
Arthur E. Reimer,	Socialist Labor,	11	12	4	5	18	14	9	73
John Weaver Sherman,	Socialist,	21	19	70	27	31	36	28	232
John A. Thayer,	Democratic,	543	686	200	212	395	454	253	2,743
Blank,		134	136	84	64	85	120	84	707
REPRESENTATIVE IN CONGRESS.									
Frederick S. Deitrick,	Democratic,	490	626	214	147	343	394	217	2,431
Orton D. Field,	Socialist,	41	29	23	41	44	50	38	266
Samuel W. McCall,	Republican,	753	320	875	867	992	1,191	1,114	6,112
Albion A. Perry,		....	....	....	....	1	....	....	1
Blank,		138	126	58	51	87	101	66	627
COUNCILLOR.									
Alfred E. Cox,	Republican,	794	326	875	850	982	1,203	1,112	6,142
Timothy J. Reagan,	Socialist,	172	274	90	87	178	173	96	1,070
Abraham A. Elston,		....	....	....	....	....	1	....	1
Blank,		456	501	205	169	307	359	227	2,224
SENATOR.									
John Diggins,	{ Independ. Citizen,	752	826	411	308	525	606	418	3,846
	{ Democratic,								
Clayton S. Hunt,	Socialist,	18	21	16	20	36	52	36	199
Elmer A. Stevens,	Republican,	597	188	706	734	832	995	913	4,965
William L. Barber,		....	....	....	....	1	....	....	1
Blank,		55	66	37	44	73	83	68	426
REPRESENTATIVES, 25TH DIST.									
John P. Burke,	Democratic,	461	....	206	146	384	....	....	1,197
Henry T. Gallishaw,	Democratic,	422	....	192	153	313	....	....	1,080
John J. Higgins,	Republican,	707	....	830	766	907	....	....	3,210
Sidney B. Keene,	Republican,	630	....	783	751	855	....	....	3,019
Robert Luce,	Republican,	666	....	822	784	907	....	....	3,179
John J. McCarty,	Democratic,	437	....	194	124	284	....	....	1,039
John L. Mulholland,	Socialist,	30	....	31	43	41	....	....	145
John D. Rusden,	Socialist,	22	....	26	42	39	....	....	129
Bernard L. Sliney,	Socialist,	33	....	29	34	64	....	....	160
Jesse S. Newcomb,		....	....	....	....	1	....	....	1
Richard E. Pickthall,		....	....	....	....	1	....	....	1
S. Augustus Underhill,		....	....	....	....	1	....	....	1
Blank,		858	....	397	475	604	....	....	2,334
REPRESENTATIVES, 26TH DIST.									
Charles E. Blaisdell,	Socialist,	....	35	....	....	....	73	46	154
Charles V. Blanchard,	Republican,	....	222	....	....	....	1,105	1,073	2,400
Stephen H. Davis,	Socialist,	....	28	....	....	....	64	68	160
Alvah E. Dearborn,	Democratic,	....	490	....	....	....	310	190	990
Thomas M. Nolan,	Democratic,	....	581	....	....	....	339	169	1,089
Joseph P. Phillips,	Democratic,	....	645	....	....	....	351	179	1,175
Richard Pigott,	Socialist,	....	30	....	....	....	53	41	124
William H. Smith,	Republican,	....	403	....	....	....	1,147	992	2,542
William L. Waugh,	Republican,	....	221	....	....	....	1,063	971	2,255
Caleb A. Page,		....	1	....	....	....	....	....	1
John J. Thompson,		....	....	....	....	....	1	....	1
Blank,		....	647	....	....	....	702	576	1,925

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
COUNTY COMMISSIONER.									
Oscar J. Johnson,	Socialist,	39	33	41	52	53	67	54	339
Patrick E. Sullivan,	Democratic,	445	647	195	128	338	345	164	2,262
Samuel O. Upham,	Republican,	737	261	838	822	936	1,137	1,073	5,804
Blank,		201	160	96	104	140	187	144	1,032
CLERK OF COURTS.									
Theodore C. Hurd,	Republican,	765	273	861	853	963	1,176	1,095	5,986
Charles E. McCarthy,	Democratic,	459	639	211	138	345	345	170	2,307
Squire E. Putney,		....	....	....	....	....	1	....	1
Blank,		198	189	98	115	159	214	170	1,143
REGISTER OF DEEDS.									
Edwin O. Childs,	Republican,	780	343	882	854	973	1,217	1,117	6,166
Seymour J. Milliken,	Socialist,	189	241	103	101	184	186	113	1,117
Thomas F. O'Malley,		....	1	....	....	....	....	....	1
Blank,		453	516	185	151	310	333	205	2,153
COUNTY TREASURER.									
Joseph O. Hayden,	Republican,	773	287	858	850	952	1,179	1,099	5,998
John O'Brien,	Democratic,	428	603	185	120	327	324	140	2,127
William Parker,	Socialist,	31	31	43	51	55	65	67	343
Blank,		190	180	84	85	133	168	129	969

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices, and on the questions submitted to the voters, at the city election held December 11, 1906:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
MAYOR.									
Abraham A. Elston,	{ United Citizens Nom. Paper, Republican, Socialist,	640	777	321	233	424	515	333	3,243
Charles A. Grimmons,		640	216	673	661	796	782	775	4,543
Clayton S. Hunt,		12	6	9	17	15	18	14	91
James Wilson,		.....	.....	.....	.....	.....	1	.....	.....
Blank,		38	14	6	9	11	10	13	101
ALDERMAN-AT-LARGE, WARD 1.									
Bernard L. Sliney,	{ Socialist, Republican, Democratic,	86	77	59	64	81	84	71	522
Thomas W. Sutherland,		960	529	716	623	876	875	750	5,329
Blank,		284	407	234	233	289	367	314	2,128
ALDERMAN-AT-LARGE, WARD 2.									
David Berglind,	{ Republican, Citizen Nom. Paper, Democratic, Socialist,	604	272	630	623	725	755	750	4,359
William A. Flaherty,		410	572	233	135	301	333	155	2,139
Nicholas H. Flynn,		24	45	26	29	47	45	29	245
Blank,		292	124	120	133	173	193	201	1,236
ALDERMAN-AT-LARGE, WARD 3.									
Leonard W. Cole,	Republican,	760	419	829	710	850	914	853	5,335
John D. Rusden,		.....	.....	.....	1	.....	.....	.....	1
Blank,		570	594	180	209	396	412	282	2,643
ALDERMAN-AT-LARGE, WARD 4.									
David C. Theall,	Republican,	698	286	744	752	826	871	830	5,007
Alfred H. Pigott,		.....	.....	.....	1	.....	.....	.....	1
Blank,		632	727	265	167	420	455	305	2,971
ALDERMAN-AT-LARGE, WARD 5.									
Jesse S. Newcomb,	Republican,	683	276	724	676	887	868	826	4,940
John L. Mulholland,		.....	.....	.....	1	.....	.....	.....	1
Blank,		647	737	285	243	359	458	309	3,038
ALDERMAN-AT-LARGE, WARD 6.									
Chester S. McFarland,	Republican, Socialist,	637	281	691	645	811	952	800	4,817
Squire E. Putney,		105	101	70	64	84	116	64	604
Martin Ryan,		..	1	.....	.....	.....	.....	.....	1
Blank,		588	630	248	211	351	258	271	2,557
ALDERMAN-AT-LARGE, WARD 7.									
James Davis,	Republican, Socialist, United Citizens Nom. Paper,	594	202	643	615	727	730	760	4,271
Stephen H. Davis,		32	36	26	34	41	42	40	251
George M. Harmon,		236	334	178	102	243	273	255	1,621
Blank,		468	441	162	169	235	281	80	1,836

[illegible]

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 1									
William T. McCarthy,	{ Democratic, United Citizens	589	....	....	....	....	....	..	589
Elmer H. Spaulding,	{ Nom. Paper, Republican,	663	....	....	....	....	....	....	663
Blank,		118	....	....	....	....	....	....	118
SCHOOL COMMITTEE (2 yrs.) WARD 2									
Thomas M. Clancy,	Democratic,	....	628	....	....	....	....	....	628
George A. Wilson,	Republican,	....	229	....	....	....	....	....	229
Blank,		....	156	....	....	....	....	....	156
SCHOOL COMMITTEE (2 yrs.) WARD 3									
Wilbur S. Clarke,	Republican,	....	....	698	....	....	....	....	698
Louis C. Doyle,	{ Democratic, Non-Partisan	....	....	252	....	....	....	....	252
Blank,	{ Nom. Paper,	....	....	76	....	....	....	....	76
SCHOOL COMMITTEE (2 yrs.) WARD 4									
Joseph Dellea,	Democratic,	....	....	....	114	....	....	....	114
George W. Foster,	Republican,	....	....	....	719	....	....	....	719
Mrs. Atwood,		....	....	....	1	....	....	....	1
Edward D. Gerry,		....	....	....	1	....	....	....	1
Blank,		....	....	....	91	....	....	....	91
SCHOOL COMMITTEE (2 yrs.) WARD 5									
Patrick W. Hagerty,	Democratic,	....	....	....	..	315	....	....	315
J. Walter Sanborn,	Republican,	....	....	....	....	830	....	....	830
Blank,		....	....	....	....	106	....	....	106
SCHOOL COMMITTEE (2 yrs.) WARD 6									
Leon M. Conwell,	Republican,	....	....	....	....	....	934	...	934
Leon H. Crothers,		....	....	....	....	....	1	....	1
Blank,		....	....	....	....	....	393	....	393
SCHOOL COMMITTEE (2 yrs.) WARD 7									
Henrietta B. H. Attwood,	{ Republican, Independent, Nom. Paper,	....	....	...	....	....	....	812	812
Everett W. Boyd,	{ Republican, Democratic,	....	....	....	....	....	....	443	443
Blank,		....	....	....	....	....	....	50	50
SHALL LIQUOR LICENSES BE GRANTED?									
Number of " Yes " votes,		465	590	238	127	304	308	161	2,193
Number of " No " votes,		718	317	713	729	874	939	914	5,204
Blank,		147	106	58	64	68	79	60	582

Liquor License Question.

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors in this city, together with the number of registered voters and the estimated population for each year: —

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26 000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000

* Census.

ORDINANCES.

Somerville, January 1, 1907.

The following ordinances have been adopted since the printing of the annual reports for the year 1905.

FREDERIC W. COOK,
City Clerk.

No. 58.

An Ordinance to Amend Chapter XXIX of the Revised Ordinances of 1900.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section one of chapter twenty-nine of the Revised Ordinances of 1900 is hereby amended by striking out in the first line thereof the word "newspapers," and inserting in place thereof the words "the age of fourteen years or over," so that said section shall read as follows: Section 1. No hawker and pedler of the age of fourteen years or over shall expose for sale or sell newspapers without a license from the board of aldermen. Such license may be granted upon the terms hereinafter prescribed, and a copy of this ordinance shall be inserted in the certificate of license.

Section 2. Section three of said chapter twenty-nine is hereby amended by striking out the words "No license shall be granted a minor under the age of twelve years, and," so that said section shall read as follows: Section 3. Every minor under the age of fifteen years so licensed shall annually attend, for at least twenty weeks, some public day school in the city or town in which he resides, or some other school approved by the school committee.

Section 3. This ordinance shall take effect upon its passage.

Approved June 15, 1906.

No. 59.

An Ordinance to Amend Chapter V of the Revised Ordinances of 1900.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section one of chapter five of the Revised Ordinances of 1900 is hereby amended by striking out all of the last sentence in said section, and inserting in place thereof the following: Registered bonds of the city, with or without coupons, may be issued by the mayor and the city treasurer in the manner provided by law in exchange for any

bonds of the city now or hereafter outstanding,—so that said section as amended shall read as follows:—

Section 1. All bonds issued by the city shall be signed by the mayor and the city treasurer, and shall bear the seal of the city. Said bonds shall be dated on the first secular day of January, April, July, or October of the year in which they are issued, and shall have interest coupons attached, payable semi-annually. They shall be in form to be properly registered by the city treasurer. Said bonds shall be disposed of under the direction of the mayor in such manner as may best promote the interests of the city. After any issue of said bonds, the city treasurer shall report to the board of aldermen at the first meeting thereof a transcript of his register of the same, setting forth the number, amount, time of maturity, number of coupons, amount of each, rate of interest, and purpose of issue of each bond so registered. Registered bonds of the city, with or without coupons, may be issued by the mayor and the city treasurer in the manner provided by law in exchange for any bonds of the city now or hereafter outstanding.

Section 2. This ordinance shall take effect upon its passage.

Approved July 27, 1906.

No. 60.

An Ordinance Relating to the City Hospitals.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. The city physician shall not be required to attend patients at the hospitals for small-pox and other contagious diseases. The board of health shall provide medical attendance at such hospitals.

Section 2. This ordinance shall take effect upon its passage.

Approved September 28, 1906.

No. 61.

An Ordinance to Amend Section 65 of Chapter XX of the Revised Ordinances of 1900, entitled "Construction of Buildings."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section sixty-five of chapter twenty of the revised ordinances of 1900, entitled "Construction of Buildings," is hereby amended so as to read as follows: Section 65. No furnace for melting metal or making glass, and no motor, stationary engine, or steam boiler to be used for mechanical purposes shall be hereafter erected or put up to be used without a license first obtained from the board of aldermen; and in no case shall a motor or a stationary engine, propelled by steam or other motive power, be hereafter erected or put up for use within five hundred feet of a dwelling house or public building, unless a license therefor has been first obtained from the board of aldermen. Upon the granting of such license in either of the cases referred to in this section, the person receiving it shall, before setting, erecting, or placing said motor, boiler, engine, or furnace, obtain a permit from the inspector of buildings, who shall prescribe such regulations for the setting or placing thereof as, in his judgment, the public safety may require.

Approved September 28, 1906.

No. 62.**An Ordinance in Relation to Electric Motors and Engines.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No stationary motor or stationary engine propelled by electric power hereafter erected or put up shall be operated or used without a license from the board of aldermen, except as hereinafter provided.

Section 2. The provisions of this ordinance and of an ordinance passed by this board September 27, 1906, entitled "An Ordinance to Amend Section Sixty-five of Chapter Twenty of the Revised Ordinances of 1900, entitled 'Construction of Buildings,'" shall not apply to electric fans used solely for ventilating purposes or to motors or engines used solely for household purposes.

Section 3. Licenses for erecting and putting up such motors and engines described in section one of this ordinance required by said ordinance passed September 27, 1906, and licenses for their use and operation under the provisions of this ordinance may be issued by the commissioner of public buildings, with the approval of the mayor, for a period of not more than thirty days from the date of issue, revocable at any time by them with or without notice.

Section 4. Any license granted under the provisions of this ordinance may be revoked by the board of aldermen at any time with or without notice.

Section 5. Whoever violates a provision of this ordinance or a provision of said ordinance passed September 27, 1906, as hereby amended shall be liable to a penalty of not more than twenty dollars for each offense.

Section 6. This ordinance shall take effect upon its passage.

Approved October 12, 1906.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, under Chapter 176 of the Revised Laws, February 7, 1907.

Accepted by the Board of Aldermen February 25, 1907.

A

Abbott, Alonzo F., 8 Concord avenue, Shipper.
Adams, Charles, 117 Highland avenue, Machinist.
Adams, Charles M., 22 Highland rd., Insurance adjuster.
Adams, Frank H., 46 Summer street, Tailor.
Adcock, John H., 205 Highland avenue, Plumber.
Alexander, Harrison B., 383 Medford street, Brakeman.
Allen, George H., 29 Rogers avenue, Real estate dealer.
Allison, James W., 95 Mt. Vernon street, Carpenter.
Andrews, Francis H., 27 Knowlton street, Brakeman.
Andrews, Horace W., 172 Broadway, Builder.
Andrews, John, 34 Albion street, Agent.
Armstrong, Thomas W., 39 Partridge avenue, Watchman.
Attwood, J. Alonzo, 12 Park avenue, Bookkeeper.
Atwater, George W., 1 Avon street, Foreman.
Atwell, Horace F., 7 Newbury street, Salesman.

B

Babb, Nathaniel F., 193 School street, Salesman.
Babbitt, Artemas B., 110 Perkins street, Machinist.
Bacon, Oliver, 19 Pembroke street, Bookkeeper.
Baier, Fred J., 7 Shawmut place, Electrician.
Bailey, Walter C., 72 Mt. Vernon street, Engraver.
Baker, Jacob, 26 Trull street, Paperhanger.
Baker, Nicholas, 9 Bedford street, Cooper.
Baker, Roger H., 9 Bedford street, Cooper.
Bancroft, Edward A., 31 School street, Barrel dealer.
Barnes, Frank, 24 Milton street, Box manufacturer.
Bartlett, George E., 5 North Union street, Machinist.
Bassett, Albert H., 17 Everett street, Real estate agent.
Bateman, Charles R., 1228 Broadway, Station master.
Beals, William H., 27 Howe street, Clerk.
Bean, Harry M., 148 Boston avenue, Clerk.
Bean, John D., 3 Lincoln street, Teamster.
Beckley, Henry F., 221 Morrison avenue, Salesman.
Beckman, Frank W., 36 Stone avenue, Clerk.
Beirne, Patrick H., 154 Linwood street, Brass finisher.
Belding, Oscar H., 182 Highland avenue, Builder.
Bennett, Dana W., 41 Putnam street, Insurance agent.
Bennett, Daniel J., 37 Stone avenue, Harness maker.
Bentley, George W., 19 Adams street, Com. merchant.
Berglund, John E., 53 Dickinson street, Machinist.
Berry, Arthur W., 53 Hudson street, Builder.

Berton, John F., 134 College avenue, Painter.
 Bertwell, Henry P., 20 Cameron avenue, Car conductor.
 Billings, George A., 75 Willow avenue, Collector.
 Bishop, William F., 20 Wheeler street, Bookkeeper.
 Blake, Charles M., 11 Preston road, Newsdealer.
 Blake, Frank R., 21 Derby street, Machinist.
 Boodry, George R., 26 Josephine avenue, Stereotyper.
 Booker, James A., 20 Windsor road, Clerk.
 Bossey, Charles W., 22 Ashland street, Salesman.
 Bossey, Thomas F., 111 Elm street, No occupation.
 Bosworth, William H., 10 Powder House ter., Adv. mgr.
 Boutin, Abraham, 18 Park avenue, Janitor.
 Bowman, Henry F., 10 Winter-hill circle, Lithographer.
 Boyer, George R., 29 Wigglesworth street, Builder.
 Brabrook, Albert A., 126 Walnut street, Clerk.
 Brackett, Ira A., 60 Burnside avenue, Carriage dealer.
 Bradley, Daniel A., 67 Beacon street, Piano finisher.
 Bradshaw, Charles H., 7 Westwood rd., Real estate agt.
 Brady, George E., 318 Somerville avenue, Confectioner.
 Branagan, James, 62 Dane street, Produce.
 Bremner, John A., 49 Bow street, Picture frame mfr.
 Briggs, Sylvester R., 187 Central street, Broker.
 Brine, Charles F., 36 Columbus avenue, Tailor.
 Brown, Charles E., 36 Albion street, Carpenter.
 Brown, Duncan, 23 Cedar street, Printer.
 Brown, Fred E., 311 Washington street, Bookkeeper.
 Brown, Fred R., 258 Broadway, Expressman.
 Brown, Linwood G., 4 Taunton street, Carpenter.
 Brown, Lyman H., 42 Columbus ave., Livery stable kpr.
 Brown, William C., 26 Central street, Builder.
 Bucknam, Davis P., 12 Vine street, Mason.
 Bullard, Walter H., 22 Stickney avenue, Grocer.
 Burbank, Munroe A., 9 Autumn street, Butter dealer.
 Burbeck, John W., 23 Hall avenue, Grocer.
 Burgess, Edward W., 59 Otis street, Pedler.
 Burgess, William H., 38 Cambria street, Bond salesman.
 Bursaw, William J., 428 Broadway, Insurance agent.
 Burton, Walter, 2 Homer square, Artist.
 Bushee, Charles E., 370 Somerville avenue, Druggist.
 Butters, Charles S., 51 Church street, Provision dealer.
 Butterworth, Robert, 172 Summer street, Manufacturer.
 Buttimer, Maurice, 351 Lowell street, Contractor.

C

Cadwallader Thomas J., 3 Lawson terrace, Clerk.
 Cain, John, 147 Cross street, Packer.
 Caldwell, David J., 50 Preston road, Clerk.
 Callow, John R., 42 Concord avenue, Car Inspector.
 Cameron, William G., 5 Lester terrace, Carpenter.
 Campbell, William J., 19 Putnam street, Machinist.
 Card, Frederick L., 243 Pearl street, Provision dealer.
 Carpenter, Albert Q., 7 Sargent avenue, Salesman.
 Carr, Roy W., 130 College avenue, Confectioner.
 Carr, William R., 26 Fairmount avenue, Real estate agt.
 Carruth, Frederick J., 34 Willow avenue, Salesman.
 Cate, Nathan E., 28 Everett avenue, Freight clerk.
 Cavanaugh, Maurice F., 7 Bowdoin street, Teamster.
 Chadwick, A. LeRoy, 30 Charnwood road, Cashier.
 Chalmers, David, 77 Pearl street, Motorman.
 Chapin, Hiram O., 44 Dover st., Commission merchant.

Chase, Washington I., 85 Vine street, Distiller.
 Cheeney, Clinton L., 38 Berkeley street, Confectioner.
 Chickering, William H., 15 Evergreen avenue, Clerk.
 Christie, Trott K., 22 Oliver street, Teamster.
 Christopher, Emerson R., 219 Summer street, Grocer.
 Clancy, Edward F., 90 Webster avenue, Candy maker.
 Clapp, George H., 35-A Franklin street, Foreman.
 Clark, Charles W., 21 Westminster street, Shipper.
 Clark, George W., 65 Central street, Cruller mfr.
 Clarke, George B., 31 Berkeley street, Electrotyper.
 Clarkson, Francis K., 6 Cross street, Salesman.
 Clement, Herman J., 35 Marshall street, Printer.
 Clough, Warren A., 64 Church street, Pattern maker.
 Coan, Thomas S., 18 Fremont street, Bookkeeper.
 Cochran, Orlando R., 5 Campbell park, Salesman.
 Coffin, Clarence D., 67 Hall avenue, Builder.
 Colbert, Edward, 25 Monmouth street, Bookkeeper.
 Colby, Charles E., 5 Morgan street, No occupation.
 Cole, Daniel H., 22 Edmands street, Clerk.
 Coliton, Edward J., 87 Linwood street, Grocer.
 Collieson, Clarence E., 19 Park avenue, Leather dealer.
 Collins, John D., 22 Vine street, Mason.
 Colman, Charles W., 151 Central street, Architect.
 Comfort, James J., 9 Hammond street, Car conductor.
 Concannon, John H., 50 Joy street, Produce dealer.
 Condit, Fred H., 255 Medford street, Musician.
 Condit, Sears, 255 Medford street, Real estate dealer.
 Connelly, Joseph A., 11 Craigie terrace, Sub-foreman.
 Coogan, John P., 23 Dane avenue, Expressman.
 Cook, Forrest D., 301 Highland avenue, Reporter.
 Copithorne, John, 81 School street, Carpenter.
 Corliss, Charles H., 36 Greenville street, Butter dealer.
 Craig, John W., 97 Washington street, Blacksmith.
 Creighton, Fred'k W., 328-A Highland ave., Bookkeeper.
 Crenner, Bartlett P., 61 Adams street, Leather dealer.
 Crocker, Lancis S. J., 19 Church street, Teamster.
 Cross, John A., 10 Lee street, Bookkeeper.
 Crotty, William B., 466 Somerville avenue, Grocer.
 Cullen, Christopher J., 150 Washington street, Teamster.
 Cullin, Edwin, 222 Broadway, Grocer.
 Cullis, Edwin J., 201 Pearl street, Clerk.
 Cunningham, Thomas A., 60 Beacon street, Grocer.
 Curran, Reuben L., 62 Otis street, Foreman.
 Currier, William M., 9 Lesley avenue, Bookkeeper.
 Cutler, Frank E., 70 Pearl street, Painter.
 Cutter, George B., 4 Pleasant avenue, Musician.

D

Dadmun, Henry H., 48 Oxford street, Salesman.
 Dalton, Fred M., 768 Broadway, Marketman.
 Dalton, James H., 22 Powder House terrace, Grocer.
 Damon, Ellis H., 50 Hudson street, Bookkeeper.
 Danforth, George E., 149 Lowell street, Clerk.
 Daniels, Edward S., 50 Spring street, Piano tuner.
 Dardis, John F., 8 Taunton street, Polisher.
 Davenport, Foster L., 301 Summer street, Conductor.
 Davenport, Howard H., 85 Munroe street, Asst. supt.
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.
 Davis, Edward A., 9 Holt avenue, Sail maker.
 Davis, Fred E., 85 Pearl street, Bookkeeper.

Davis, George E., 35 Putnam street, Bookkeeper.
 Davis, George M., 20 Arthur street, Mason and builder.
 Dawes, Henry L., 8 Ashland street, Salesman.
 Dawson, Howard, 70 Albion street, Clerk.
 Delay, James, 48 Beacon street, Florist.
 Dennett, Alexander H., 20 Monmouth st., Paperhanger.
 Dennett, John M., 23 William street, Stable keeper.
 Dennett, William H., 20 Lovell street, Clerk.
 Densmore, Charles D., 44 Porter street, Clerk.
 Denvir, William E., 197 Summer street, Shipper.
 DeWolf, Lewis E., 334 Highland avenue, Tailor.
 Dimick, Charles W., 122 Line street, Manager.
 Dinsmore, Fred C., 8 Arthur street, Grain dealer.
 Ditchfield, Charles L., 17 Hawthorne street, Casket trim.
 Doane, Nathaniel P., 19 Grand View ave., Tow boat agt.
 Dodge, Edwin G., 21 Benedict street, Photographer.
 Doe, Freeland A., 187 Highland avenue, Cabinet maker.
 Dolan, Joseph F., 12 Buckingham street, Harness maker.
 Dolloff, Frank S., 18-B Cross street, Baker.
 Donaldson, Charles A., 31 Ware street, Engineer.
 Donovan, James J., 63 Webster avenue, Glass maker.
 Dooling, David H., 306 Washington street, Painter.
 Dougherty, John E., 7 Oak street, Clerk.
 Douglas, Charles E. M., 20 Stone avenue, Salesman.
 Dowd, Thomas, 50 Fellsway West, Plasterer.
 Downer, Frank O., 181 Medford street, Railroad police.
 Downey, Dennis J., 34 Merriam street, Laborer.
 Downing, John L., 30 Burnside avenue, Shipper.
 Drinkwater, Frank M., 872 Broadway, Salesman.
 Driscoll, James F., 17 Cambria street, Machinist.
 Dunbar, John D., 3 Mystic street, Musician.
 Duncan, John, 2 Brastow avenue, Manufacturer.
 Dunham, George J., 54 Adams street, Automobile dealer.
 Dunham, Marshall W., 54 Adams street, Bicycle dealer.
 Dunklee, Daniel D., 109 Sycamore street, Furnace dealer.
 Dustin, Harry N., 40 Church street, Clerk.
 Dyer, Josiah T., 156 School street, Men's furnishings dlr.
 Dyson, Noble, 7 Belmont place, Stone cutter.

E

Eager, Oliver M., 39 Warwick street, Machinist.
 Eames, Henry H., 13 Chapel street, Machinist.
 Eastman, Ulysses G., 53 Pritchard avenue, Carpenter.
 Eaton, Arthur W., 12 Westminster street, Clerk.
 Eaton, Clifford C., 86 School street, Musician.
 Edmands, John S., 28 Sycamore street, Architect.
 Edmond, George A., 10 Wesley street, Machinist.
 Edwards, Edward H., 10 James street, Chiropodist.
 Egerton, Charles S., 63 Boston street, Cigar dealer.
 Eldridge, Charles W., 8 Pearl terrace, Tinsmith.
 Elkins, John F., 142 Medford street, Contractor.
 Ellinwood, George H., 54 Beech street, Chemist.
 Elliott, George E., 103 Glenwood road, Assessor.
 Elliott, Waldo F., 177 Walnut street, Livery stable.
 Ellis, William F., 4 Quincy street, Tailor.
 Elston, Abraham A., 25 Preston road, Contractor.
 Emerson, William J., 104 Broadway, Boot & Shoe dealer.
 Emery, Allen A., 71 Gilman street, Butter salesman.
 Emery, George W., 27 Albion street, Draughtsman.
 Estey, Clarence A., 30 Tufts street, Railroad clerk.

Estey, Joseph Hatfield, 32 Thorndike street, Grocer.
 Esty, Austin S., 203 School street, Manager.
 Everton, Elphonso I., 34 Lake street, Cigar mfr.

F

Fairbanks, Henry I., 152 Walnut street, Salesman.
 Fallon, John F., 7 Beach avenue, Junk dealer.
 Farnham, Charles E., 16 Grand View avenue, Clerk.
 Farrell, Patrick S., 55 Lowell street, Painter.
 Farwell, Ruleffe H., 92 Central street, Pressman.
 Fay, William H., 127 Josephine avenue, Clerk.
 Fellows, Charles H., 30 Banks street, Accountant.
 Fellows, John H., 12 Elston street, Accountant.
 Fenno, Edwin H., 45 Hancock street, Paymaster.
 Ferguson, Herbert J., 57 Lowell street, Porter.
 Ferris, Robert J., 17 Park street, Horse dealer.
 Fillebrown, Arthur M., 15 Buckingham street, Machinist.
 Finney, Nathaniel G., 632 Somerville avenue, Painter.
 Fisher, Alphonso, 7 Pearl-street place, Painter.
 Fisher, Edgar M., 14 Stickney avenue, Salesman.
 Fisk, Ellsworth, 44 Heath street, Agent.
 Fitz, Charles E., 440 Broadway, Bookkeeper.
 Flagg, Charles A., 24 Gibbens street, Conductor.
 Flaherty, Francis E., 261 Washington street, Undertaker.
 Flaherty, James P., 45 Everett avenue, Junk dealer.
 Flaherty, William H., 261 Washington street, Contractor.
 Fletcher, John E., 81 Walnut street, Collector.
 Flynn, Dennis F., 67 Dane street, Upholsterer.
 Flynn, William P., 81 Linden street, Machine helper.
 Ford, Charles S., 124-A Cross street, Canvasser.
 Ford, Jeremiah G., 29 Charnwood road, Painter.
 Foss, Lewis T., 21 Chandler street, Dentist.
 Foster, Elmer E., 10 Broadway place, Fireman.
 Foster, John B., 66 Irving street, Artist.
 Fox, Edward W., 123 College avenue, Jeweler.
 Fox, John, 28 Linden street, Laborer.
 Foy, John H., 350 Somerville avenue, Glass worker.
 Friend, Edward, 5 Cameron avenue, Painter.
 Frink, William A., 5 Irving street, Undertaker.
 Frost, George W., 38 Laurel street, Clerk.
 Frye, Charles H., 43 Sargent avenue, Machinist.
 Fudge, Edward J., 334 Somerville avenue, Undertaker.
 Fuller, Dana L., 50 Powder House boulevard, Beef sales.
 Fuller, Walter I., 37 Hancock street, Electrician.
 Fulton, David, 599½ Somerville avenue, Laborer.

G

Gaffney, William, 14 Kingman court, Tile mason.
 Gardner, Gerald A., 8 Hudson st., R. E. and Ins. Broker.
 Garland, John A., 76 Porter street, Publisher.
 Garrity, Martin, Jr., 416 Norfolk street, Plumber.
 Gary, Joseph E., 86 Irving street, Broker.
 Gavin, Edward J., 36 Berkeley street, Brass finisher.
 Gay, Frederick, 10-R Boston street, Expressman.
 Geary, John J., 41 Lake street, Salesman.
 Geary, Patrick J., 41 Lake street, Clerk.
 Geddis, William, 13 Hammond street, Janitor.
 Getchell, Albert R., 51 Flint street, Waiter.
 Gifford, Herbert C., 54 Preston road, Real estate.

Gilbert, Fred W., 101 School street, Shoe dealer.
 Giles, Charles E., 24 Webster street, Real estate dealer.
 Gill, Antonio P., 202-B Washington street, Barber.
 Gill, Frank A. W., 1 Dell street, P. O. clerk.
 Gill, Martin, 72 Bonair street, Teamster.
 Gill, William T., 1 Dell street, Undertaker.
 Gillette, Hiram A., 72 College avenue, Clerk.
 Gillis, Daniel B., 27 Willow avenue, Builder.
 Gilman, Charles E., 49 Dickinson street, Grocer.
 Glazebrook, John G., 65 Wheatland street, Tanner.
 Glidden, George A., 11 Marshall street, Salesman.
 Glines, Arthur W., 142 Powder House boul., Salesman.
 Glynn, Thomas J., 18 Bow-street place, Laborer.
 Goddard, Edward A., Jr., 64 Wallace street, Clerk.
 Goddard, William L., 193 Morrison avenue, Clerk.
 Godey, Frederick C., 4 Ivaloo street, Roofer.
 Godfrey, Alexander M., 52 Berkeley street, Carpenter.
 Goding, Eugene F., 93 Newton street, Tinsmith.
 Goldsmith, Benjamin W., 7 Jasper street, No occupation.
 Goodspeed, William H., 37 Rush street, Cafe proprietor.
 Gordon, Arthur C., 58 Beech street, Painter.
 Graham, Robert C., 29 Greene street, No occupation.
 Graham, Samuel, 299 Broadway, Machinist.
 Graves, David B., 17 Rogers avenue, Clothing dealer.
 Graves, Elmer E., 19 Cottage avenue, Manager.
 Gray, Amasa, 71 Wallace street, Carpenter.
 Green, Bernard J., 250-A Somerville avenue, Mason.
 Greenough, John L., 19 Vernon street, Conductor.
 Griffin, Augustus P., 22 Richdale avenue, Salesman.
 Griffin, Daniel J., 18 Bow street, Bookkeeper.
 Griffin, Edward B., 32 Rush street, Shipper.
 Griffin, Edward L., 21 Webster avenue, Clerk.
 Grover, George A., 10 Belmont place, Special officer.
 Grover, Nelson H., 26 Oxford street, Advertising agent.
 Guild, Julius J., 325 Washington street, Salesman.
 Gurnham, Thomas, 36 Hancock street, Newsdealer.

H

Hackett, James A., 20 Atherton street, Telegrapher.
 Hadley, Freddell O., 30 Conwell avenue, Wood worker.
 Hadley, Walter M., 24 Hathorn street, Real estate.
 Hagen, Edward A., 210 Somerville avenue, Glass maker.
 Hale, C. Warner, 144 Highland avenue, Clerk.
 Haley, Fred, 41 Greenville street, Insurance agent.
 Hall, George G., 89 Cross street, Printer.
 Hall, William A., 9 Veazie street, Express.
 Hall, William Franklin, 103 Thurston street, Accountant.
 Hancock, Edward, 272 Highland avenue, Butter salesman.
 Harrington, Nathan B., 7 Bolton street, Clerk.
 Hartwell, Walter C., 15 Kenwood street, Bookkeeper.
 Haskell, Otis S. M., 279 Summer street, Confectioner.
 Hatch, Arthur E., 46 Browning road, Manager.
 Hatch, Frederick A., 38 Bond street, Laborer.
 Hawkins, Alvin C., 48 Banks street, Foreman.
 Hayward, John G., 5 Windom street, Insurance agent.
 Heacox, Dwight C., 45 Springfield street, Machinist.
 Henderson, Thomas, 26 Dane avenue, Laborer.
 Hepburn, James, 226 Somerville avenue, Grocer.
 Hern, John H., 97 Prospect street, Wood worker.
 Hersey, Charles H., 7 Thurston street, Clerk.

Hicks, Carlton, 8 Charnwood road, Agent.
 Higgins, John, 38 Linwood street, Dry goods dealer.
 Higgins, Byron E., 20 Richdale avenue, Mason.
 Higgins, Solomon S., 158 Summer street, R. E. agent.
 Hill, Arthur B., 17 Norwood avenue, Musician.
 Hines, Alfred H., 9 Preston road, Mason.
 Hodge, Charles W., 26 Billingham street, Bookkeeper.
 Hodgkins, Edward S., 139 Orchard street, Clerk.
 Hoit, Alonzo W., 275 Highland avenue, Produce dealer.
 Hoit, Edward P., 275 Highland avenue, Produce dealer.
 Holland, Charles J., 30 Aldrich street, Paperhanger.
 Holland, William L., 30 Aldrich street, Printer.
 Holmes, Charles A., 265 Beacon street, Vinegar mfr.
 Holmes, Frank H., 29-A Veazie street, Plumber.
 Holmes, Samuel, 49 Thurston street, Poultry salesman.
 Holt, Edward M., 32 Springfield street, Machinist.
 Holt, Harry, 108 Porter street, Carpenter.
 Hopkins, J. Wesley, 27 Summit avenue, Music salesman.
 Horton, Charles H., 101 School street, Clerk.
 Horton, Charles P., 22 Everett avenue, Janitor.
 Houdlette, Horace A., 33 Everett avenue, Salesman.
 Houley, Patrick F., 65 Springfield street, Prov. dealer.
 Howard, Eugene P., 11 Hall avenue, Salesman.
 Howard, J. Walter, 330 Broadway, Florist.
 Howe, Henry E., 17 Sewall street, Shoe salesman.
 Hughes, John, Jr., 13 Morton street, Brass worker.
 Hulsman, Chester R., 7 Alston street, Salesman.
 Hunnewell, William A., 23 Milton street, Coal dealer.
 Hunt, Cassius, 218 School street, Fish dealer.
 Hunt, Charles E., 28 Brook street, Clerk.
 Hunt, John T., 28 Brook street, Clerk.
 Hunt, Warren F., 236 Highland avenue, Clerk.
 Hunter, William H., 11 Sycamore street, Glass engraver.
 Hurley, James F., 229 Tremont street, Glass blower.

I

Ingham, John S., 27-B Summer street, Clerk.
 Ireland, George H., 14 Stanford terrace, Blacksmith.
 Irish, Fred D., 3 Dartmouth street, Salesman.
 Ivans, Benjamin D., 61 Elm street, Machinist.

J

Jackson, Edward F., 15 Osgood street, Driver.
 Jackson, George W., 8 Hall street, Brush maker.
 Jameson, Robert, 22 Bowdoin street, Billiard room kpr.
 Jansson, Augustus L., 102 Wallace street, Illustrator.
 Jaques, Otis A., 66 Boston street, Fruit dealer.
 Jennings, George W., 60 Central street, Clerk.
 Jensen, James A., 21 Meacham street, Freight conductor.
 Jerauld, Frank, 29 Aldrich street, Artist.
 Johnson, Hartley M., 10 Bellevue terrace, Expressman.
 Jonah, Leonard, 153 Hudson street, Carpenter.
 Jones, Charles E., 154 Pearl street, Carriage maker.
 Jones, Walter C., 157 Willow avenue, Artist.
 Joslyn, Will C., 37 Banks street, Salesman.
 Joy, Alden B., 23 Craigie street, Carpenter.
 Junkins, Leander D., 5 Billingham st., Designer & invent.

K

Kane, William A., 34 Ash avenue, Tinsmith.
 Kauler, Charles E., 27 Gilman st., Undertaker's assistant.
 Kearney, Edward S., 53 Mansfield street, Sawdust deal.
 Kearney, John J., 6 Charlestown street, Clerk.
 Keay, Fred E., 153 College avenue, Editor.
 Keefe, William M., 46 Kingston street, Milk dealer.
 Keegan, Dominick F., 31 Belmont street, Printer.
 Keith, Simeon C., Jr., 20 Highland avenue, Bacteriologist.
 Kelley, Edward N., 17 Merriam street, Lather.
 Kelley, Isaac S., 22 Electric avenue, Cashier.
 Kelley, John J., 12 London street, Pedler.
 Kelley, William, 15 Leland street, Janitor.
 Kelley, William M., 17 Merriam street, Clerk.
 Kelly, John G., 33 Florence street, Machinist.
 Kendall, Isaac B., 338 Broadway, Insurance agent.
 Kendall, John B., 25 Russell street, Milk dealer.
 Kendall, Jonas B., Jr., 41 Russell street, Milk dealer.
 Kendall, Phillip S., 41 Russell street, Milk dealer.
 Kennedy, Clifton A., 21 Thorndike street, Conductor.
 Kenneson, Charles A., 176 Walnut st., Stor. W. H. kpr.
 Kenney, James, 4 Concord avenue, Carpenter.
 Kidder, Herbert A., 58 Walnut street, Cashier.
 Kiley, Patrick J., 15 Mystic street, Wheelwright.
 Kimball, Charles L., 19-A Cross street, Foreman.
 Kimball, Edward P., 7 Richdale avenue, Lawyer.
 Kimball, Harvey B., 13 Herbert street, Carpenter.
 King, Charles E., 69 Beacon street, Coachman.
 Kingston, Joseph R., 10 Conwell street, Optician.
 Kinney, Edgar L., 92 Sycamore street, Bookkeeper.
 Kirby, Michael, 315 Washington street, Laborer.
 Kneeland, William B., 9 Greene street, Freight solicitor.
 Knight, George R., 158 Broadway, Painter.
 Knight, William E., 493-R Columbia street, Watchman.
 Knowles, Benjamin H., 15 Parker street, Hatter.
 Knowles, Zoeth R., 52 Putnam street, Printer.
 Knowlton, Edward B., 45 Josephine avenue, Pattern mkr.
 Knox, Waldo H., 19 Hancock street, Clerk.

L

Lambert, Frank S., 10 Cross street, Painter.
 Lamont, William H., 73 Beacon street, Rubber worker.
 Land, Lawrence P., 60 Marshall street, Carpenter.
 Landers, Arthur C., 218 Summer street, Bookkeeper.
 Lane, Eugene H., 58 Berkeley street, Butter dealer.
 Lavey, John T., 7 Belmont street, Pork packer.
 Lawrence, Bernard W., 289 Highland ave., Produce dlr.
 Lawrence, George B., 27 Spencer avenue, Slate dealer.
 Lawry, Herbert F., 73 Rogers avenue, Clerk.
 Lawson, Peter P., 101 Summer street, Machinist.
 Learned, James M., 7 Westminster st., No occupation.
 Leavitt, Edwin, 13 Pinckney street, Collector.
 Leavitt, Frank W., 468 Somerville avenue, Carriage mfr.
 LeCount, Frederick R., 7 Dartmouth street, Clerk.
 Lennan, William M., 732 Broadway, Clerk.
 Leonard, Eugene C., 65 Adams street, Tailor.
 Lewis, Dennis J., 14 Benedict street, Plumber.
 Libbey, Albion H., 8 Ames street, Salesman.
 Libbey, George W., 215 Pearl street, Bookkeeper.

Libbey, Moulton C., 7 Jay street, Jeweler.
 Libby, George H., 39 White street, Upholsterer.
 Liddell, William, 130-A Broadway, Pattern maker.
 Lincoln, Andrew G., 3 Lincoln avenue, Ivory worker.
 Lind, John, 38 Clark street, Marble worker.
 Litchfield, Hiram J., 11 Cutter street, Teamster.
 Litchfield, J. Warren, 181 Broadway, Milk dealer.
 Little, John K., 93 Hudson street, Accountant.
 Littlefield, Elisha, 65 Glen street, Carpenter.
 Littlefield, Samuel T., 321 Broadway, No occupation.
 Locke, Theodore H., 53 Central street, Clerk.
 Lomasney, John E., 7 Maple avenue, Clerk.
 Lombard, Richard J., 16 Evergreen avenue, Teamster.
 Lord, Frank W., 4 Pearl street, Salesman.
 Lord, George T., 23 Wheeler street, Milkman.
 Lorentzen, Henry, 101 Rogers avenue, Lock expert.
 Lounsbury, George H., 46 Houghton street, Clerk.
 Loveland, Charles M. N., 898 Broadway, Stenographer.
 Lovering, Edward P., 187 Medford street, Mason.
 Lovering, Everett L., 21 Bradley street, Musician.
 Lowell, George E., 46 Gilman street, Livery stable kpr.
 Lund, John C., 13 Cutter street, Shipper.
 Lundergan, James W., 40 Dickinson street, Milkman.
 Lyman, Albert C., 19 Knapp street, Upholsterer.
 Lynch, John B., 9 Cedar avenue, Bookbinder.
 Lyons, Timothy J., 14 Chestnut street, Pedler.

M

Macdonald, John W., 23 Elm place, Salesman.
 Maddison, Arthur N., 7 Hall avenue, Stenographer.
 Magoon, William S., 79 Perkins street, Signal repairer.
 Makant, Robert, 40 School street, Engraver.
 Makechnie, Ernst H., 238 Elm street, Teacher of violin.
 Mangan, William J., 3 Hawkins street, Electrician.
 Mann, Alfred E., 75 Washington street, Undertaker.
 Manning, James F., 26 Fitchburg street, Driver.
 Manning, John F., 152 Medford street, Teamster.
 Manning, John J., 29 Park street, Barber.
 Manning, Joseph J., 36 Oak street, Undertaker.
 Marble, Augustus B., 94 Sycamore street, Sales agent.
 Marchant, Albert L., 92 Vine street, Barber.
 Marr, George S., 37 Dover street, Carpenter.
 Marsh, William H., 27 Cutter street, Teamster.
 Marshall, Edwin A., 38 Franklin avenue, Wood carver.
 Marshall, John A., 153-A Willow avenue, Salesman.
 Marston, Joseph N., 18 Rush street, Trader.
 Martin, George J., 16 Oliver street, Moulder.
 Martin, John P., 56-S Walnut street, Salesman.
 Martin, John W., 16 Montgomery avenue, Foreman.
 Martin, Lewis R., 34 Grant street, Teamster.
 Martinson, William H., 10 Boston street, Engineer.
 Mason, Seth, 32 Madison street, Advertising agent.
 Matthews, Frank J., 7 Maple avenue, Teamster.
 Mayberry, Elijah N., 11 Kenwood street, Salesman.
 Maynard, Everett A., 22 Forster street, Bookkeeper.
 Maynard, Fred L., 30 Ames street, Provision dealer.
 Mayo, Francis L., 17 Clark street, Bill poster.
 Mayo, Wallace J., 36 Putnam street, Electrician.
 McAllister, William H., 23 Wallace street, Brush maker.
 McAskill, Scyrene B., 6 Bow street, Candy dealer.
 McAvoy, Henry, 117 Somerville avenue, Stable keeper.

McAvoy, Henry J., Jr., 40 Lake street, Stable keeper.
 McCarthy, James F., 24 Preston road, Charcoal dealer.
 McCarty, John J., 13 Knowlton street, Charcoal dealer.
 McConnell, William N., 51-B Church street, Real estate.
 McCullough, William, 54 Dane street, Produce.
 McDonald, Wm. M., 56 Cedar street, Provision dealer.
 McEleney, William J., 139 Linwood street, Teamster.
 McGann, Thomas F., 45 Putnam street, Brass founder.
 McGlone, Joseph H., 84 Line street, Confectioner.
 McGovern, Lawrence J., 9 Concord avenue, Machinist.
 McGrath, Charles T., 75 Harris street, Carriage painter.
 McKenna, David W., 7 Chestnut street, Pedler.
 McKenna, George F., 292 Lowell street, Undertaker.
 McMaster, George R., 12 Park street, Armorer.
 McNamara, William E., 47 Dane street, Grocer.
 McQuade, Owen A., 6 Taunton street, Polisher.
 Medina, John, 27 College avenue, Merchant.
 Melvin, Charles F., 25 Farragut avenue, Salesman.
 Merriam, George S., 6 Essex street, Warehouseman.
 Merrifield, Fred H., 6 Abdell street, Salesman.
 Merrill, Warren A., 14 Westminster street, Salesman.
 Merritt, William, 103 Pearl street, Railroad supt.
 Messer, Melvin J., 27 Franklin street, Manager.
 Miller, William S., 255 Medford street, Cashier.
 Miner, Robert A., 56 Chester street, No occupation.
 Mink, Frank L., Jr., 85 Elm street, No occupation.
 Molineaux, Michael R., 41 Thorndike street, Clerk.
 Mongan, Manasses P., 1 Garden court, Salesman.
 Monroe, Daniel N., 47-A Franklin street, Teamster.
 Moore, Frank M., 79 Boston street, Electrician.
 Moran, William J., 78 Franklin street, Driver.
 Morang, Arthur C., 157 Lowell street, Clerk.
 Morgan, Francis W., 452 Medford street, Buyer.
 Morrill, Fred L., 18 Arlington street, Foreman.
 Morrison, Frank E., 23 Brook street, Provision dealer.
 Morrison, William G., 19 Joseph street, Freight clerk.
 Morrow, John J., 17 Perry street, Clerk.
 Morse, Henry H., 27 Hudson street, Merchant.
 Mullaney, Michael, 439 Somerville avenue, Laborer.
 Mullen, James, 24 Wyatt street, Laboret.
 Mulqueeney, Lot J., 420 Norfolk street, Laborer.
 Murphy, John F., 65 Waterhouse street, Engineer.
 Murphy, Stephen F., 102 College avenue, Manager.
 Muzzy, Horace T., 31 Vinal avenue, Draftsman.
 Myott, William C., 54 Richdale ave., Hoisting engineer.

N

Nason, Charles C., 21 Wigglesworth street, Carpenter.
 Neal, Andrew C., 78 Raymond avenue, Gilder.
 Newell, Franklin G., 41 Temple street, Machinist.
 Newman, Edward B., 24 Garrison avenue, Clerk.
 Newsom, James E., 74 Sycamore street, Produce dealer.
 Nichols, Walter W., 51 Webster street, Carpenter.
 Nickerson, Alfred P., 41-D Franklin street, Bookkeeper.
 Nickerson, Benjamin S., 37 Highland road, Broker.
 Nickerson, John F., 25 Flint street, No occupation.
 Nickerson, Urban H., 27 Hall avenue, Salesman.
 Niles, James H., 4 Fairlee street, Beef salesman.
 Noble, Archibald W., 39 Crocker street, Upholsterer.
 Northrup, Herbert N., 165 College avenue, Manufacturer.

Norwood, Winfield S., 942 Broadway, Trimmer.
 Nourbourn, James W., 109 Walnut street, Asst. manager.
 Nowell, Joseph A., 19 Pinckney street, Engineer.
 Noyce, Benjamin C., 28 Glen street, Carpenter.
 Nute, Alfred D., 329 Highland ave., Shoe manufacturer.
 Nye, Thomas V. B., 51 Cedar street, Salesman.
 Nyman, Ernest D., 5 Wigglesworth street, Bag. master.

O

Oakes, Charles E., 36 Joy street, Railroad conductor.
 Oakes, Clifford L., 1108 Broadway, Barber.
 O'Brien, John J., 8 Durham street, Dry goods pedler.
 O'Brien, Timothy F., 4 Prospect place, Grocer.
 O'Brien, William, 15 Caldwell avenue, Expressman.
 O'Brien, William E., 70 Prospect street, Clerk.
 O'Connell, Henry J., 139 Lowell street, Cigar salesman.
 O'Connell, Michael, 35 Linwood street, Pedler.
 O'Day, William, 8 Palmer avenue, Machinist.
 O'Donnell, Neil, 114 Cross street, Engineer.
 O'Donnell, Thomas H., 273 Washington st., Apothecary.
 O'Donohue, Daniel E., 35 Church street, Music teacher.
 O'Leary, David T., 277 Washington street, Confectioner.
 O'Leary, Denis J., 12 Leland street, Laborer.
 O'Neil, John F., 135 Linwood street, Teamster.
 O'Neil, Michael A., 158 Lowell street, Stock broker.
 O'Neill, William J., 76 Bonair street, Woollens salesman.
 Orr, Thomas, 61 Glenwood road, Salesman.
 Osborn, Edgar W., 86 Porter street, Furniture dealer.
 Osgood, John M., 297-A Summer street, Electrician.
 O'Shaughnessy, Patrick, 76 Derby street, Milk dealer.
 Otterson, Alpheus, 70 Boston street, Clerk.
 Owen, John W., 20 Melvin street, Civil engineer.

P

Page, Daniel W., 21-R Webster avenue, Night watchman.
 Park, Arthur N., 20 Arlington street, Clerk.
 Parker, Arthur B., 17 Gilman street, Milk dealer.
 Parker, Leander W., 253 Willow avenue, Hackman.
 Parker, William H., 23 Hall avenue, Salesman.
 Patch, Amos G., 35 Irving street, Produce dealer.
 Payette, Arthur F., 43 Oak street, Driver.
 Peabody, Leon I., 14 Moore street, Clerk.
 Peake, Benjamin W., 62 Central street, Private secretary.
 Pearson, Albert L., 10 Dresden circle, Mechanical eng.
 Pecheur, Augustus F., 7 Merriam street, Glass maker.
 Peck, Henry A., 2 Bigelow street, Printer.
 Peirce, Cyrus H., 75 Marshall street, No occupation.
 Perham, Edwin R., 92 Packard avenue, Expressman.
 Perkins, George W., 79 Derby street, Machinist.
 Perkins, H. Willis, 373 Medford street, Clerk.
 Perry, Elwin L. R., Jr., 34 Richdale av., Brass goods mfr.
 Philbrick, Charles S., 174 Morrison ave., R. E. agent.
 Phillips, Bernard C., 8 Charlestown street, Glass cutter.
 Pickthall, Richard E., 182 Central street, Superintendent.
 Pierce, Henry A., 14 Conwell street, Marketman.
 Pigon, Joseph H., 36 Wallace street, Clerk.
 Pillsbury, Edwin B., 1156 Broadway, Publisher.
 Plaisted, William D., 17 Franklin street, Clerk.
 Pond, George W., 91 Bay State avenue, Salesman.
 Potter, George B., 14 Crocker street, Produce salesman.

Potter, Henry K., 5 Arthur street, Carriage mfr.
 Pratt, Charles H., 20 George street, Civil engineer.
 Preble, Frederick A., 55 Tennyson street, Bookkeeper.
 Prescott, Albion M., 59 Concord avenue, Teamster.
 Prichard, George W., 1 Bean court, Teamster.
 Pugh, Samuel, 269 Summer street, Clerk.
 Pushee, Frank S., 43 Chester street, Salesman.

Q

Quarrie, Joseph A., 62 Sycamore street, Carpenter.
 Quick, Augustus S., 51 Chester street, Salesman.
 Quilligan, Harry A., 451 Somerville avenue, Plumber.
 Quinlan, John P., 8 Buckingham street, Driver.
 Quinn, John A., 19 Rossmore street, Laborer.

R

Rafferty, Thomas, 30 Oak street, Plumber.
 Ralph, Alson C., 138 Lowell street, Electrician.
 Ramsdell, Charles H., 53 Tufts street, Real estate agent.
 Rand, Fred C., 35 Banks street, Carpenter.
 Rand, George T., 425 Highland avenue, Undertaker.
 Rand, James B., 24 Austin street, Traveling salesman.
 Randle, Irving N., 11 Jay street, Builder.
 Ray, Frank E., 16 Virginia street, Salesman.
 Ray, George O., 42 Concord avenue, Engineer.
 Raymond, Charles F., 20 Crocker street, Collector.
 Raymond, Marcus M., 37 Jaques street, No occupation.
 Raynes, Charles E., 49 Francesca avenue, Clerk.
 Reynolds, James F., 7 Adams street, Insurance agent.
 Rich, Isaac, 36 Walnut street, Civil engineer.
 Rich, Samuel B., 45 Francesca avenue, Fish dealer.
 Richards, Frederick L., 127 Summer street, Engineer.
 Richards, George A., 8-A Melvin st., Real estate agent.
 Richards, William P., 44 Day street, Architect.
 Richardson, George A., 20 Wesley street, Painter.
 Richardson, Homer L., 11 Albion street, Composer.
 Richardson, William C., 15 Franklin street, Clerk.
 Ricker, George E., 27 College avenue, Hotel keeper.
 Rideout, Henry N. W., 7 Howe street, Asst. paymaster.
 Ridler, Parker, 37 Ames street, Salesman.
 Riess, Frank, 49 Gorham street, Painter.
 Riley, Philip W., 122 Rogers avenue, Printer.
 Rinn, Daniel H., 17 Wesley park, Victualler.
 Rivers, Fred S., 31 Charnwood road, Electrician.
 Roberts, Oliver S., 15 Kidder avenue, Manager.
 Roberts, Samuel, 16-A Norwood avenue, Engineer.
 Robinson, William F. S., 84 Pearl street, Artist.
 Robinson, Wm. H., 265 Broadway, Veterinary surgeon.
 Rogers, Bishop G., 34 Lake street, Bookkeeper.
 Rogers, Charles W., 86 Concord avenue, Dyeing.
 Rogers, John E., 9 Wigglesworth street, Electrician.
 Ronayne, John, 22½ Tyler street, Laborer.
 Rouse, John P., 171 Washington street, Drug clerk.
 Rowe, Daniel, 299 Washington street, Editor.
 Rufer, John B., 19 Chapel street, Blacksmith.
 Rumney, Isaac E., 10 Benedict street, Janitor.
 Russell, Arthur J., 5 Beacon street, Printer.
 Russell, Edmond, 57 Dane street, Mason.
 Russell, Eugene L., 1196 Broadway, Provision dealer.
 Russell, George E., 20 Thorpe place, No occupation.
 Ryan, Martin J., 7 Garden court, Bookkeeper.

S

Sampson, Paul L., 22 Joseph street, Printer.
 Sanborn, William A., 62 Curtis street, Brick mfr.
 Sanborn, William F., 17 Benedict street, News dealer.
 Sargent, Isaac C., 8 Parker street, Insurance agent.
 Savage, Peter J., 10 Dane avenue, Machinist.
 Savory, Harlie J., 81 Cross street, Railroad employee.
 Sawyer, Walter S., 16 Browning road, Real estate agent.
 Scanlon, Edward, 28 Marion street, Provision dealer.
 Schillinger, Edgar F., 152 Walnut street, Clerk.
 Schofield, John E., 28 Willow avenue, Clerk.
 Schrafft, William E., 49 Belmont st., Candy manufacturer.
 Schwab, Ferdinand, 5 Pearson road, Superintendent.
 Scott, Albert W., 32 Spencer avenue, Driver.
 Sewall, Charles B., 174 Walnut street, Collector.
 Sewall, William H., 140 Lowell street, Watchman.
 Seymour, Alfred A., 10 Brook street, Salesman.
 Shattuck, Benjamin F., 26 Warren avenue, Potato dealer.
 Shattuck, David A., 23 Brook street, Carpenter.
 Shaw, Charles E., 10 Eastman road, Paperhanger.
 Shaw, Fred E., 18 Everett avenue, Bookkeeper.
 Shaw, Oscar M., 18 Everett avenue, Carpenter.
 Shaw, William H., 92 Central street, Assistant manager.
 Shaw, William T., 10 Fellsway West, Building supt.
 Sheeran, John J., 17 Merriam street, Provision dealer.
 Shepley, Charles H., 45 Union square, No occupation.
 Sheridan, Arthur H., 22 Perry street, Salesman.
 Shiner, Alfred F., 158 Linwood street, Trader.
 Shorey, William P., 40 Columbus avenue, Clerk.
 Short, Oscar W., 8 Bowdoin street, Box manufacturer.
 Simonds, Charles F., 86 Belmont street, Mechanic.
 Simpson, Merton P., 155 Willow avenue, Furniture sales.
 Skilton, Walter E., 7 Westminster street, Salesman.
 Smith, Albert A., 8 Howe street, No occupation.
 Smith, Albert E., 15½ Putnam street, Cooper.
 Smith, Edgar A., 45 Cedar street, Asst. superintendent.
 Smith, Edward P., 16 Powder House terrace, Clerk.
 Smith, Peter J., 117 Prospect street, Tea dealer.
 Smith, William, 13 Smith avenue, Cabinetmaker.
 Smith, William A., 79 Pritchard avenue, Marketman.
 Snow, Herbert W., 199 Pearl street, Clerk.
 Snow, Walter H., 42 Derby street, Ice cream dealer.
 Snow, William A., 17 Francesca avenue, Iron worker.
 Soares, Jose X. P., 39 Lowell street, Barber.
 Soule, Horace W., 22 Loring street, Draughtsman.
 Spaulding, Daniel B., 8 Hancock street, No occupation.
 Spaulding, James R., 57 Chandler street, Merchant.
 Sprague, Walter A., 50 Concord avenue, Telegrapher.
 Stackpole, John, 242 Broadway, Carpenter.
 Stacy, George W., 14 Madison street, Salesman.
 Staples, Mendall G., 42 Prospect street, Teamster.
 Starratt, John D., 14 Victoria street, Motorman.
 Steele, Danforth S., 8 Leslie place, Foreman.
 Stevens, Dudley L., 7 Francesca avenue, Salesman.
 Stevens, Oliver A., 20 Putnam street, Engineer.
 Stevenson, James W., 20-R Cross street, Railroad clerk.
 Stevenson, Josiah, 64 Marion street, Riveter.
 Stodder, George F., 20 Stickney avenue, Fish dealer.
 Strout, Charles O., 17 Flint street, Mason.
 Stuart, Lewis R., 21 Delaware street, Dry goods dealer.
 Studley, Stillman S., 130 Sycamore street, Clerk.

Sturtevant, Richard H., 31 Walnut street, Beef dealer.
 Sullivan, Cornelius, 12 Perry street, Brass moulder.
 Swain, Gideon W., 18 Bradley street, Provision salesman.
 Swain, Noah R., 17 Hathorn street, Gardener.
 Sweeney, John J., 216-A Somerville avenue, Grocer.
 Symonds, Irving F., 14 Greene street, Manager.

T

Taapken, John R., 227 Holland street, Grocery clerk.
 Tattan, Michael H., 458 Somerville avenue, Grocer.
 Taylor, Alvin, 15 Jaques street, Plumber.
 Taylor, John H., 29 Farragut avenue, Conductor.
 Teague, Charles I., 5 Pearson road, Steam gauge maker.
 Temple, Wilbur C., 11 Laurel street, Agent.
 Thiery, William O., 34 Central street, Salesman.
 Thomas, Joseph M., 23 Stickney avenue, Produce dealer.
 Thomas, Penrose F., 9 Hudson street, Salesman.
 Thompson, Charles W., 27 Lake street, Clerk.
 Thompson, William H. J., 55 Concord avenue, Carpenter.
 Thompson, William J., 19 Shawmut street, Merchant.
 Thomson, Emerson, 10 Pinckney street, Clerk.
 Thurgood, Augustus, 42 Hudson st., Wall paper dealer.
 Tibbetts, Harris P., 33 Bradley street, Carpenter.
 Tilton, Elbridge A., 122 Heath street, Teamster.
 Timson, L. Edgar, 56 Mt. Vernon street, Clerk.
 Tincker, George R., 21 Oak street, Cook.
 Titus, Anson M., 10 Raymond avenue, Bookkeeper.
 Tobin, John J., 373 Somerville avenue, Shoe dealer.
 Tomfohrde, Richard, 216 Highland ave., Restaurant kpr.
 Tompkins, Charles H., 2 Austin street, No occupation.
 Toothaker, Charles W., 67 Pearl street, Milk dealer.
 Toppan, Arthur W., 209 Highland ave., Gas engine dlr.
 Torrens, William L., 255 Broadway, Wood turner.
 Touchet, Victor L., 88 Line street, Teamster.
 Tracy, Albert A., 49 Banks street, Manager.
 Trauschke, Henry H., 47 Florence street, Clerk.
 Treadwell, Frank W., 28 Brook street, Teamster.
 Tribble, Hiram, 50 Chandler street, Salesman.
 Tripp, William A., 57 Rush street, Teamster.
 Tucket, Charles R., 104 Bartlett street, Inspector.
 Turner, George E., 27 Tufts street, Teamster.
 Tuttle, Fred A., 17 Lesley avenue, Clerk.
 Tuttle, Herbert L., 22 Everett avenue, Clothing dealer.

U

Ulm, Albert A., 59 Preston road, Printer.
 Upton, Samuel, 102 Glenwood road, Foreman.

V

Valentine, Paul R., 2 Bolton street, Clerk.
 Van Buren, John D., 15½ Alston street, Carriage painter.
 Van Buskirk, Charles, 20 Prescott street, Wheelwright.
 Varney, Chas. A., 408 Highland ave., Telephone insp'tr.
 Vickery, William J., 15 Quincy street, Paper box cutter.
 Vreeland, Edward B., 121 Central st., Coal & wood dlr.
 Vroom, Hallett R., 26 Clark street, Teamster.

W

Waitt, Ernest L., 61 Simpson avenue, Editor.
 Walker, George, 26 Wallace street, Salesman.

Walker, Granville A., 9 Loring street, Painter.
 Walker, J. Edwin, 64 Temple street, Engineer.
 Walker, Thomas G., 5 Dell street, Foreman.
 Wanless, David, 21 Grove street, Salesman.
 Ward, Benjamin A., 22 Milton street, Tailor.
 Ware, Francis A., 54 Dartmouth street, Insurance agent.
 Warren, Charles V., 17 Melvin street, Plumber.
 Waters, Harry G., 101 Orchard street, Clerk.
 Waters, Morgan, 11 Sanborn avenue, Assistant supt.
 Watson, Thomas J., 22 Fellsway West, Compositor.
 Watters, James, 41 Mystic avenue, Clerk.
 Watts, George A., 18 Maple avenue, Mechanic.
 Webber, Edward O., 77 Partridge avenue, Janitor.
 Webber, Herbert L., 70 Columbus avenue, Painter.
 Weeks, Walter I., 36 Francesca avenue, Salesman.
 Welch, James T., 303 Highland avenue, Mason.
 Wemyss, George D., 29 Ames street, Wood worker.
 Wentworth, Frank H., 61 Dartmouth street, Salesman.
 Wentworth, Ransom D., 14 Hathorn st., Stable keeper.
 Weston, Charles F., 23 Conwell street, Bookbinder.
 Weston, Howard H., 50 Jaques street, Milk dealer.
 Wheeler, Charles J., 32 Mead street, Painter.
 Wheeler, Frank F., 11 Mossland street, Painter.
 Wheeler, Homer C., 16 Kidder avenue, Receiving clerk.
 Whitcomb, Seth H., 59 Summer street, Nurse.
 White, Christopher J., 86 Prospect street, Laborer.
 White, Frank H., 14 Montgomery avenue, Map mounter.
 White, George H., 25 Meacham street, Machinist.
 White, J. Harvey, 411 Broadway, Agent.
 Whitney, James F., 40 Dartmouth street, Railroad acct.
 Whiton, Erastus, 12 Aldrich street, Clerk.
 Whiton, George F., 20 Otis street, Leather dealer.
 Wholey, James, 25 Oak street, Laborer.
 Wiggin, Walter S., 74 Walnut street, Salesman.
 Williams, Charles C., 10 Oakland avenue, Manager.
 Williams, Charles H., 45 Lexington avenue, Carpenter.
 Williams, James, 166 Sycamore street, No occupation.
 Williams, James A., 212-A Somerville avenue, Carpenter.
 Williston, Belvin T., 3 Monmouth street, Mech. engineer.
 Willoughby, George T., 111 Central street, Builder.
 Wilson, Jonas W., 19 Houghton street, Teamster.
 Winsor, Martin C., 65 Cross street, Iron salesman.
 Winters, John M., 275 Washington street, Electrician.
 Winters, William H., 275 Washington street, Engineer.
 Wood, Charles, 25 Columbus avenue, Locksmith.
 Wood Herbert W., 75 Wallace street, Shell comb maker.
 Wood, James, 40 Tower street, Locksmith.
 Woodbury, Frederick A., 240-A School st., Shoe dealer.
 Woods, George H., 13 West street, Agent.
 Worcester, Vernon H., 1134 Broadway, Clerk.
 Wright John Edward, 73 Beacon street, Clerk.
 Wright, Walter H., 54 Vinal avenue, Manufacturer.
 Wyatt, Charles B., 10 Linden avenue, Machinist.
 Wyer, James C., 45 Pearl street, Engineer.
 Wyman, Charles B., 67 Thurston st., Restaurant keeper.

Y

York, Ernest A., 10 Thorndike street, Driver.
 Young, David, 372 Highland avenue, Blacksmith.
 Young, Herbert L., 65 Franklin street, Clerk.
 Younker, Richard E., 9 Rossmore street, Wheelwright.

CITY GOVERNMENT AND OFFICERS FOR 1906.

Mayor.

CHARLES A. GRIMMONS,
72 Thurston street.

Board of Aldermen.

President — SIDNEY B. KEENE.

Vice-President — LEONARD W. COLE.

WARD ONE.

ELMER H. SPAULDING, Alderman-at-large 44 Tufts street.
THOMAS W. SUTHERLAND 30 Tufts street.
WILLIAM F. REMICK 16 Cutter street.

WARD TWO.

WILLIAM H. SMITH, Alderman-at-large 10 Emerson street.
WILLIAM A. FLAHERTY 261 Washington street.
JOSEPH P. PHILLIPS 8 Charlestown street.

WARD THREE.

WILLIAM F. BARKER, Alderman-at-large 5-A Putnam street.
LEONARD W. COLE 5 Homer square.
WILLIAM M. ARMSTRONG 91 Summer street.

WARD FOUR.

SIDNEY B. KEENE, Alderman-at-large 56 Fellsway West.
DAVID C. THEALL 250 Broadway.
CHARLES W. HODGDON 22 Wigglesworth street.

WARD FIVE.

JESSE S. NEWCOMB, Alderman-at-large, 106 Glenwood road.
CHARLES A. BURNS 27 Thurston street.
J. FRANK MIXER 119 Central street.

WARD SIX.

FRANK D. WILKINS, Alderman-at-large, 275 Willow avenue.
CHESTER S. MCFARLAND 21 Cedar street
RICHARD VU M (resigned September 13) 23 Cambria street.
RICHARD Y. GOOD (elected September 13) 30 Brastow avenue.

WARD SEVEN.

ZEBEDEE E. CLIFF, Alderman-at-large 29 Powder House terrace.
JAMES DAVIS 85 Chandler street.
EDWARD H. KINGMAN 14 Kenwood street.

City Clerk — FREDERIC W. COOK.

Assistant City Clerk — HOWARD E. WEMYSS.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock.

Standing Committees of the Board of Aldermen.

ACCOUNTS. — Aldermen Sutherland, Van Ummersen and Hodgdon.

BONDS. — Aldermen Wilkins, Mixer and Remick.

CITY ENGINEERING. — Aldermen Davis, Hodgdon and Burns.

CLAIMS. — The President, Aldermen Armstrong and Davis.

ELECTIONS. — Aldermen Phillips, Theall and Kingman.

ELECTRIC LINES AND LIGHTS. — Aldermen McFarland, Spaulding, Phillips, Theall and Kingman.

FINANCE. — The President, Aldermen Barker, Flaherty, Spaulding, Wilkins, Cliff and Mixer.

FIRE DEPARTMENT. — Aldermen Cole, Sutherland, Davis, Wilkins and Burns.

GRADE CROSSINGS. — Aldermen Armstrong, Kingman, Van Ummersen, Mixer and Remick.

HIGHWAYS. — Aldermen Newcomb, Barker, Flaherty, Theall, McFarland, Davis and Remick.

LEGISLATIVE MATTERS. — The President, Aldermen Cliff and Smith.

LICENSES. — Aldermen Theall, Newcomb and Cole.

ORDINANCES AND RULES. — Aldermen Barker, McFarland and Phillips.

POLICE. — The President, Aldermen Armstrong and Smith.

PRINTING. — Aldermen Cole, Newcomb and Hodgdon.

PUBLIC GROUNDS. — Aldermen Phillips, Newcomb, McFarland, Sutherland and Cole.

PUBLIC PROPERTY. — Aldermen Cliff, Barker, Smith, Van Ummersen and Hodgdon.

SEWERS. — Aldermen Flaherty, Spaulding and Wilkins.

SPECIAL BUILDING PERMITS. — Aldermen Smith, Cliff and Mixer.

STATE AID AND SOLDIERS' RELIEF. — Aldermen Spaulding, Flaherty and Kingman.

WATER. — Aldermen Sutherland, Armstrong and Burns.

School Committee.

Chairman. — FREDERICK A. P. FISKE.

Vice-Chairman. — GEORGE E. WHITAKER.

(Term, two years, except members ex-officiis.)

CHARLES A. GRIMMONS, Mayor (ex-officio), 72 Thurston street.

SIDNEY B. KEENE, Pres. Board of Aldermen (ex-officio), 56 Fellsway West.

WARD ONE.

WILLIAM W. KENNARD (elected 1904), 15 Hathorn street.

HENRY F. CURTIS (elected 1905), 145 Perkins street.

WARD TWO.

JOHN H. O'NEIL (elected 1904), 44 Oak street.

DANIEL H. BRADLEY (elected 1905), 19 Concord avenue.

WARD THREE.

WILBUR S. CLARKE (elected 1904), 40 Vinal avenue.

GEORGE E. WHITAKER (elected 1905), 75 Walnut street.

WARD FOUR.

WILLIAM P. JONES (elected 1904), 13-A Maple avenue.
CHARLES A. KIRKPATRICK, Jr. (elected 1905), 27 Sewall street.

WARD FIVE.

J. WALTER SANBORN (elected 1904), 183 Central street.
HENRY H. FOLSOM (elected 1905), 29 Albion street.

WARD SIX.

CHARLES H. HOOD (elected 1904), 2 Benton road.
FREDERICK A. P. FISKE (elected 1905), 44 Cherry street.

WARD SEVEN

HENRIETTA B. H. ATTWOOD (elected 1904), 18 Herbert street.
GEORGE C. MAHONEY (elected 1905), 415 Highland avenue.

Superintendent and Secretary. — GORDON A. SOUTHWORTH.

Office, City Hall Annex.

Hours: 8 A. M. to 5 P. M., except Saturdays;
Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meeting is on last Friday.

Assessors.

(Term, three years.)

ALBERT B. FALES, Chairman (resigned May 10, 06).
GEORGE W. PERKINS (appointed May 10, 1906, term expires 1907).
BENJAMIN F. THOMPSON (term expires 1908).
NATHAN H. REED (term expires 1909).
HARRY A. TRUE (resigned March 8, 1906).
GEORGE E. ELLIOTT (term expires 1908).
WINSOR L. SNOW (appointed March 8, 1906; (term expires 1909).

ASSISTANT ASSESSORS.

(Term, one year.)

FRED B. CLAPP. JOHN FRANKLIN STACKPOLE.
JOHN J. SHEERAN. JAMES WILSON.
Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year).

ALLEN F. CARPENTER, Chairman (term expires 1908).
EDMUND S. SPARROW (term expires 1907).
WESLEY T. LEE, M. D. (term expires 1907).

Clerk. — WILLIAM P. MITCHELL.

Agent. — CALEB A. PAGE.

Medical Inspector — FRANK L. MORSE, M. D.

Superintendent Collection of Ashes and Offal. — EDGAR T. MAYHEW.

Inspector of Animals and Provisions. — CHARLES M. BERRY.

Inspector of Milk and Vinegar. — JULIUS E. RICHARDSON.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

EDWARD B. WEST, Chairman (term expires 1909).

ALBERT W. EDMANDS (term expires 1908).

HERBERT E. MERRILL (term expires 1907).

Agent. — CHARLES C. FOLSOM.*Secretary.* — CORA F. LEWIS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Registrars of Voters.

(Term, three years.)

CHARLES P. LINCOLN, Chairman (term expires 1907).

CHARLES E. PARKS (term expires 1908).

LEVI F. S. DAVIS (died February 21, 1906).

EDWIN D. SIBLEY (appointed March 8, 1906; term expires 1909).

FREDERIC W. COOK, City Clerk (term expires 1908)

Public Library Trustees.

(Term, three years.)

EDWARD C. BOOTH, Chairman (term expires 1907).

CHARLES A. WEST (resigned January 11, 1906).

JOHN B. VIALI (term expires 1908).

GEORGE W. PERKINS (resigned May 10, 1906).

J. FRANK WELLINGTON (term expires 1908).

IRVING G. HALL (term expires 1909).

HOWARD D. MOORE (term expires 1909).

FREDERICK W. PARKER (term expires 1909).

CHARLES S. SOULE (resigned June 14, 1906).

THOMAS M. DURELL (appointed January 25, 1906, term expires 1907).

WILLIAM L. BARBER (appointed May 24, 1906, term expires 1907).

CHARLES L. NOYES (appointed June 28, 1906, term expires 1908).

Librarian and Secretary. — SAM WALTER FOSS.

Library open 9 A. M. to 9 P. M., and the reading room Sundays 2 to 6 P. M.

City Clerk.

FREDERIC W. COOK

Assistant City Clerk. — HOWARD E. WEMYSS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JAMES F. BEARD (died July 2, 1906).

JOSEPH S. PIKE (elected July 12, 1906).

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

JAIRUS MANN.

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.

FRANK W. KAAH,
50 State street, Boston.

City Auditor.

CHARLES S. ROBERTSON.

City Engineer.

ERNEST W. BAILEY.
Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Clerk of Committees and Departments.

WILLIAM P. MITCHELL.
Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.
Office hour : 9 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

WALTER T. LITTLEFIELD.
Office open : 8 A. M. to 4 P. M., Saturdays, 8 A. M. to 12 M.

Inspector of Plumbing.

DUNCAN C. GREENE.
Office hour : 8 to 9 A. M.

Commissioner of Electric Lines and Lights.

EDWARD BACKUS (died March 26, 1906).
HON. CHARLES A. GRIMMONS (acting commissioner).
Office hour : 8.30 to 9.30 A. M.

Water Commissioner.

FRANK E. MERRILL.
Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Chief of Police.

MELVILLE C. PARKHURST.
Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

JAMES R. HOPKINS.
Office, Central Fire Station, 261 Medford street.

City Physician.

ALVAH B. DEARBORN, M. D. (died August 19, 1906),
34 Bow street.

C. CLARK TOWLE, M. D. (appointed September 27, 1906),
23 Bow street.

Inspector of Milk and Vinegar.

JULIUS E. RICHARDSON,
310 Broadway.

Inspector of Trees.

CHARLES I. BUCKNAM.

Inspector of Animals and Provisions.

CHARLES M. BERRY,
60 Prescott street.

Inspector of Petroleum.

JAMES R. HOPKINS.
Office, Central Fire Station, 261 Medford street.

Sealer of Weights and Measures.

JOHN H. DUSSEAUT,
Office, City Hall Annex.

Office open: November 1 to March 31, inclusive, 9 A. M. to 12 M.; April 1 to October 31, inclusive, 9 A. M. to 12 M., Fridays and Saturdays only.

Fence Viewers.

LAMBERT M. MAYNARD,
90 Highland avenue.
CHARLES M. BERRY,
60 Prescott street.

Burial Agent.

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.
JOHN H. DUSSEAUT,
42 Sargent avenue.

Constables.

GEORGE H. CARLETON.
EUGENE A. CARTER.
WINSLOW W. COFFIN.
THOMAS DAMERY.
JOHN M. DRISCOLL.
CHARLES L. ELLIS.
CHARLES C. FOLSOM.
PATRICK J. GARVIN.
WILLIAM D. HAYDEN.

FRANKLIN W. HOPKINS.
DENNIS KELLEY.
JAIRUS MANN.
CHARLES B. PALMER.
MELVILLE C. PARKHURST.
ROBERT R. PERRY.
CHRISTOPHER J. PURCE.
MALCOLM E. STURTEVANT.
CHARLES E. WOODMAN.

Measurers of Wood and Bark.

WILLIAM B. HOLMES,
317 Broadway.

OSCAR A. DYKENS,
34 Chestnut street.

WILLIAM J. GOODWIN,
8 Holland street.

Measurer of Grain.

ARTHUR R. FITTS.

Public Weigher in Charge of City Scales at City Ledge.

EDWARD L. GRANT.

Weighers of Coal.

JOHN C. ANDERSON.
DANIEL F. ASH.
ALBERT E. BAKER.
EDGAR H. BARKER.
JEFFERSON D. CAMERON.
ANGUS W. CAMPBELL.
ALFRED B. CLARK.
PATRICK COFFEY.
HARRY A. CRAWFORD.
HOWARD H. DAVENPORT.
FRED C. DINSMORE.
CHARLES F. DOHERTY.
THOMAS A. DUNLAP.
AMHERST F. DURKEE.
OSCAR A. DYKENS.
FRED L. ESTEY.
JAMES K. FARRY.
FRANK H. FREEMAN.
CHARLES T. GARLAND.
WILLIAM E. GERRISH.
WILLIAM G. GOODWIN.
JOHN H. GRAY.
STEPHEN M. G. HALE.
CHARLES B. HARRIS.
JAMES HAYDEN.
AGNES HELLEN.
IDA C. HOULIHAN.
GRACE ABBIE HURD.
FRED M. HUTCHINSON.
CHARLES H. JEWELL.
SYLVANUS R. KNEELAND.

WILLIAM L. LARSON.
WILLIAM M. LENNAN.
HARRY L. LINGLEY.
JOHN A. MARSH.
GEORGE F. McALLISTER.
JOHN McDONALD.
JOHN W. McIVER.
HENRY T. McLEAN.
FRANK T. McMAHON.
JOHN J. McMAHON.
GEORGE H. MOORE.
STEPHEN M. MORAN.
EDWARD E. NUTTING.
MARK W. PATTEN.
CHARLES W. PORTER.
LOTTIE L. RICE.
OBADIAH E. RING.
WILLIAM H. ROBINSON.
CHARLES E. ROCKWELL.
ABRAM SIMON.
WILLIAM C. STICKLE.
FRANK A. TEELE.
WILLIAM J. THOMPSON.
WILLIAM A. THURSTON.
CHARLES D. WALLACE.
ELIZABETH M. L. WALLACE.
THOMAS WALSH.
CHARLES H. WARD.
DAVID C. WOODILL.
JOHN H. WOODMAN.
LUCIAN L. WOODMAN.

Weighers of Beef.

ALBERT E. BAKER.
OLIVER S. BRYANT.
GEORGE M. CHISHOLM.
WILLIAM J. DOONER.
ALFRED G. DYMOND.
FREDERICK A. GEILING.
CHESTER G. HALL.
RICHARD HEIFTER.

GEORGE L. HORTON.
REUBEN W. MEAD.
THOMAS S. PARKER.
HERBERT D. REED.
WILLIAM B. SARGENT.
WALTER SAVAGE.
ROBERT E. SMITH.
WALTER M. TOWER.

J. F. TYTER

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